

Universal Multiple-Octet Coded Character Set  
International Organization for Standardization  
Organisation Internationale de Normalisation  
Международная организация по стандартизации

**Doc Type: Working Group Document**

**Title: Preliminary Proposal to encode Bodoni Ornament symbols in the UCS**

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**Status: Individual Contribution**

**Action: For consideration by JTC1/SC2/WG2 and UTC**

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## 1. Introduction

Recently, the Wingdings/Webdings symbol set was decided to be encoded due to its widespread accessibility on a large set of equipment (especially, but not confined to, computers equipped with Microsoft's Windows operating system), without having to prove the actual use of every single symbol in real existing text.

This argument also applies to the Bodoni Ornaments symbol set present on every mobile device (iPhone, iPad) recently produced by Apple. Moreover, the access to these symbols is far more easy to the common user, as the symbols are contained in a font (also named "Bodoni Ornaments") where they are mapped to the basic set of Latin characters, decimal digits and punctuation marks. Thus, the common user is invited to simply type letters using the standard keyboard (rather than being obliged to access symbol tables or other input methods).

This is demonstrated in fig. 2 to 4 (see the end of this document before the summary form).

Of course, mapping symbols to other encoded characters is an obsolete technology.

(The handling of emoji on the same devices by e.g. supplying easily switchable virtual keyboards proves that up-to-date technology can be applied without compromises on the user's experience.)

To ensure that the use of such symbols is in accordance with up-to-date technology (and thus ensuring the identity of the text using such symbols), it is necessary to encode them as Unicode characters.

This is proposed here.

### 1.1 The Origin of the Bodoni Ornaments set

All symbols contained in the Bodoni Ornaments font are *exact reproductions* from a collection created by the renowned typograph Giambattista Bodoni (1740–1813). This collection was published by his widow as part of the "Manuale Tipografico" 1818 in Parma (Italy). A specimen of this rare print is located at the Bayerische Staatsbibliothek (National Library of Bavaria, Munich, Germany), where the author was able to make scans with a digital microscope of every character proposed here. (These scans are available from the author on request.)

***Due to this date of first publication, no copyright can be claimed on the symbols.  
Thus, there is no obstacle to encode them and to publish them in code charts.***

The original set published by Bodoni contains 1036 symbols, published on pp. 184–251 of vol. 2 of that edition. There, they are called "Fregi", which in today's orthography would be "Freghi" and translates as "doodles". The complete set is shown by reduced scans in the Appendix.

The font containing the selection proposed here was created by Sumner Stone somewhere before 2000 for the International Typeface Corporation / Monotype Imaging (from where it is available for other devices than the Apple devices which contain them on delivery). No rationale for the specific selection from the original Bodoni set is found.

### 1a. Notes on this preliminary proposal

In this document, the original font purchased from ITC font is used which resembles the one found on the Apple devices. However, all glyphs shown here are bitmap graphics, to avoid any font embedding.

The final proposal has to use glyph designs which are in line with other representative glyphs in the Unicode charts, thus being less fancy and more abstract. The latter especially applies to the symbols proposed to be included in the "Geometric Shapes Extended" block.

### 2. Encoding Considerations

For two glyphs of the Bodoni Ornaments set, the following unifications are proposed:



(glyph for U+0021): U+1F31E SUN WITH FACE



(glyph for U+0036): U+274B HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK

The symbols  $\Sigma$  (glyph for U+2264) and  $\sum$  (glyph for U+00B1) are considered as ornaments rather than mathematical characters, and therefore are not unified with them.

The remaining set is subdivided as follows:

1. A small set which can be regarded as geometric shapes is placed into the existing block "Geometric Shapes Extended".
2. All other symbols are placed into a new block "Ornamental Dingbats Supplement". There, the "flat" symbols are placed in the first column, where some room is left for the case that small sets of similar symbols are proposed later from other sources (like the Hoefler Text ornaments). The other symbols are placed into that block from the second column on, ordered by their number in the original Bodoni set.

All symbols are named using their number in the original Bodoni set, except where a resemblance to an encoded symbol is obvious. In these cases, they are named in analogy to the resembled symbol, while the name based on the original Bodoni number is given as an "alternative name".

### 3. Proposed Characters

All characters proposed here are symbols, and therefore have the properties:

```
1xxxx;SYMBOL NAME;So;0;ON;;;;;N;;;;;
```

The following list shows enlarged glyphs of the characters proposed at U+1FB00/01/0E/0F:



	1F78	1F79	1F7A	1F7B	1F7C	1F7D	1F7E	1F7F
0								
1								
2								
3								
4								
5						◉ 1F7D5		
6						◉ 1F7D6		
7						◉ 1F7D7		
8						◻ 1F7D8		
9						◻ 1F7D9		
A						◻ 1F7DA		
B						◊ 1F7DB		
C						⚙ 1F7DC		
D								
E								
F								

**Medium small shapes**

- 1F7D5 ◉ MEDIUM SMALL WHITE CIRCLE CONTAINING VERY SMALL BLACK CIRCLE  
= Bodoni Ornament-389  
= Bodoni Ornaments glyph for U+0037
- 1F7D6 ◉ MEDIUM SMALL WHITE CIRCLE CONTAINING TINY BLACK CIRCLE  
= Bodoni Ornament-392  
= Bodoni Ornaments glyph for U+0038
- 1F7D7 ◉ MEDIUM SMALL WHITE CIRCLE CONTAINING VERY SMALL WHITE CIRCLE  
= Bodoni Ornament-395  
= Bodoni Ornaments glyph for U+0039
- 1F7D8 ◼ MEDIUM SMALL WHITE SQUARE CONTAINING VERY SMALL BLACK CIRCLE  
= Bodoni Ornament-406  
= Bodoni Ornaments glyph for U+003A
- 1F7D9 ◼ MEDIUM SMALL WHITE SQUARE CONTAINING TINY BLACK CIRCLE  
= Bodoni Ornament-407  
= Bodoni Ornaments glyph for U+003B
- 1F7DA ◼ MEDIUM SMALL WHITE SQUARE CONTAINING VERY SMALL WHITE CIRCLE  
= Bodoni Ornament-408  
= Bodoni Ornaments glyph for U+003C
- 1F7DB ◈ MEDIUM SMALL WHITE LOZENGE CONTAINING VERY SMALL BLACK LOZENGE  
= Bodoni Ornament-795  
= Bodoni Ornaments glyph for U+003D
- 1F7DC ◉ MEDIUM SMALL WHITE GEAR CONTAINING VERY SMALL BLACK CIRCLE  
= Bodoni Ornament-386  
= Bodoni Ornaments glyph for U+003E

	1FB00	1FB01	1FB02	1FB03	1FB04	1FB05	1FB06	1FB07
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

**Box drawing**

- 1FB00  BOX DRAWINGS LIGHT HORIZONTAL WITH THICKENING AT CENTER  
= Bodoni Ornaments glyph for U+2202  
→ 2500 — box drawings light horizontal
- 1FB01  BOX DRAWINGS LIGHT HORIZONTAL WITH WAISTED THICKENING AT CENTER  
= Bodoni Ornaments glyph for U+2211

**Flat ornaments**

- 1FB0E  BRACE-SHAPED FLAT ORNAMENT  
= Bodoni Ornaments glyph for U+03C0
- 1FB0F  CURVED BRACE-SHAPED FLAT ORNAMENT  
= Bodoni Ornaments glyph for U+220F

**Bodoni Ornaments**

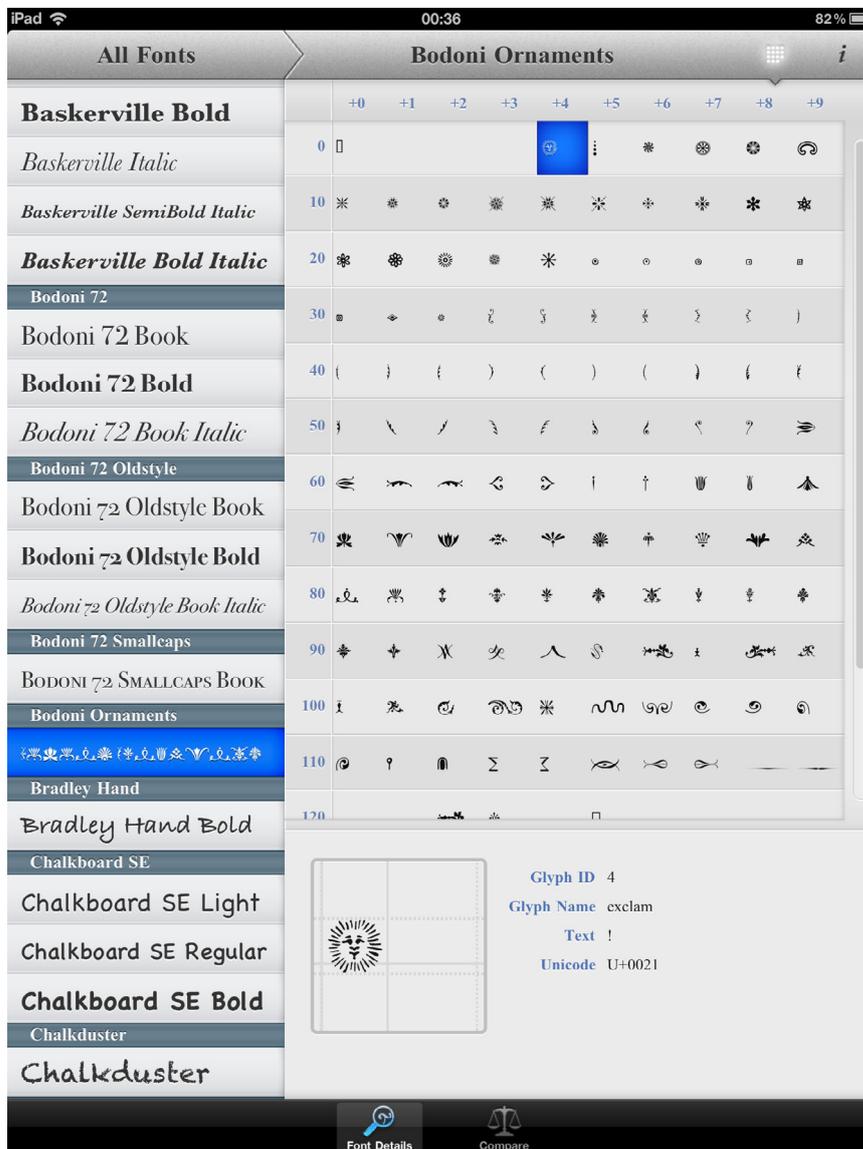
- 1FB10  BODONI ORNAMENT-380  
= Bodoni Ornaments glyph for U+221E
- 1FB11  BODONI ORNAMENT-381  
= Bodoni Ornaments glyph for U+00D8
- 1FB12  BODONI ORNAMENT-383  
= Bodoni Ornaments glyph for U+005B
- 1FB13  BODONI ORNAMENT-383 REVERSED  
= Bodoni Ornaments glyph for U+005C
- 1FB14  BODONI ORNAMENT-405  
= Bodoni Ornaments glyph for U+00A9
- 1FB15  BODONI ORNAMENT-461  
= Bodoni Ornaments glyph for U+00B0
- 1FB16  BODONI ORNAMENT-513  
= Bodoni Ornaments glyph for U+2122
- 1FB17  BODONI ORNAMENT-514  
= Bodoni Ornaments glyph for U+00B4
- 1FB18  BODONI ORNAMENT-514 REVERSED  
= Bodoni Ornaments glyph for U+00A8
- 1FB19  BODONI ORNAMENT-515  
= Bodoni Ornaments glyph for U+2260
- 1FB1A  BODONI ORNAMENT-515 REVERSED  
= Bodoni Ornaments glyph for U+00C6
- 1FB1B  BODONI ORNAMENT-516  
= Bodoni Ornaments glyph for U+006C
- 1FB1C  BODONI ORNAMENT-633  
= Bodoni Ornaments glyph for U+0030
- 1FB1D  BODONI ORNAMENT-634  
= Bodoni Ornaments glyph for U+0031
- 1FB1E  BODONI ORNAMENT-635  
= Bodoni Ornaments glyph for U+0023
- 1FB1F  EIGHT PETALLED WHITE FLORETTE  
= Bodoni Ornament-642  
= Bodoni Ornaments glyph for U+0033
- 1FB20  BODONI ORNAMENT-692  
= Bodoni Ornaments glyph for U+006E
- 1FB21  BODONI ORNAMENT-693  
= Bodoni Ornaments glyph for U+006D
- 1FB22  BODONI ORNAMENT-711  
= Bodoni Ornaments glyph for U+005A
- 1FB23  BODONI ORNAMENT-711 REVERSED  
= Bodoni Ornaments glyph for U+0059
- 1FB24  BODONI ORNAMENT-719  
= Bodoni Ornaments glyph for U+006F
- 1FB25  BODONI ORNAMENT-720  
= Bodoni Ornaments glyph for U+0034
- 1FB26  BODONI ORNAMENT-726  
= Bodoni Ornaments glyph for U+007C
- 1FB27  BODONI ORNAMENT-727  
= Bodoni Ornaments glyph for U+005D
- 1FB28  BODONI ORNAMENT-727 REVERSED  
= Bodoni Ornaments glyph for U+005E
- 1FB29  BODONI ORNAMENT-785  
= Bodoni Ornaments glyph for U+00B1
- 1FB2A  BODONI ORNAMENT-785 REVERSED  
= Bodoni Ornaments glyph for U+2264
- 1FB2B  BODONI ORNAMENT-789  
= Bodoni Ornaments glyph for U+0068
- 1FB2C  BODONI ORNAMENT-794  
= Bodoni Ornaments glyph for U+0067
- 1FB2D  BODONI ORNAMENT-802  
= Bodoni Ornaments glyph for U+0061
- 1FB2E  BODONI ORNAMENT-803  
= Bodoni Ornaments glyph for U+2020
- 1FB2F  BODONI ORNAMENT-803 REVERSED  
= Bodoni Ornaments glyph for U+00A2
- 1FB30  BODONI ORNAMENT-810  
= Bodoni Ornaments glyph for U+0065
- 1FB31  BODONI ORNAMENT-825  
= Bodoni Ornaments glyph for U+0066
- 1FB32  BODONI ORNAMENT-826  
= Bodoni Ornaments glyph for U+0022
- 1FB33  BODONI ORNAMENT-846  
= Bodoni Ornaments glyph for U+0079
- 1FB34  BODONI ORNAMENT-847  
= Bodoni Ornaments glyph for U+0026
- 1FB35  BODONI ORNAMENT-860  
= Bodoni Ornaments glyph for U+006B
- 1FB36  BODONI ORNAMENT-879  
= Bodoni Ornaments glyph for U+006A
- 1FB37  BODONI ORNAMENT-880  
= Bodoni Ornaments glyph for U+0027
- 1FB38  BODONI ORNAMENT-890  
= Bodoni Ornaments glyph for U+0063
- 1FB39  BODONI ORNAMENT-892  
= Bodoni Ornaments glyph for U+0064
- 1FB3A  BODONI ORNAMENT-893  
= Bodoni Ornaments glyph for U+002D
- 1FB3B  BODONI ORNAMENT-902  
= Bodoni Ornaments glyph for U+0062
- 1FB3C  BODONI ORNAMENT-905  
= Bodoni Ornaments glyph for U+0069
- 1FB3D  BODONI ORNAMENT-912  
= Bodoni Ornaments glyph for U+002F
- 1FB3E  BODONI ORNAMENT-913  
= Bodoni Ornaments glyph for U+0060
- 1FB3F  BODONI ORNAMENT-926 LEFT PART  
= Bodoni Ornaments glyph for U+00B6  
• the mirrored counterpart is missing in the Bodoni Ornaments font
- 1FB40  BODONI ORNAMENT-926 RIGHT PART  
= Bodoni Ornaments glyph for U+00DF  
• the mirrored counterpart is missing in the Bodoni Ornaments font
- 1FB41  BODONI ORNAMENT-927  
= Bodoni Ornaments glyph for U+0078
- 1FB42  BODONI ORNAMENT-928  
= Bodoni Ornaments glyph for U+00A3
- 1FB43  BODONI ORNAMENT-928 REVERSED  
= Bodoni Ornaments glyph for U+2022
- 1FB44  BODONI ORNAMENT-929  
= Bodoni Ornaments glyph for U+0025
- 1FB45  BODONI ORNAMENT-930  
= Bodoni Ornaments glyph for U+0070

1FB46 ✱ BODONI ORNAMENT-931  
 = Bodoni Ornaments glyph for U+00AE  
 1FB47 ↵ BODONI ORNAMENT-936  
 = Bodoni Ornaments glyph for U+00A5  
 1FB48 ➤ BODONI ORNAMENT-936 REVERSED  
 = Bodoni Ornaments glyph for U+00B5  
 1FB49 ⓘ BODONI ORNAMENT-945  
 = Bodoni Ornaments glyph for U+00A7  
 1FB4A ⋈ BODONI ORNAMENT-946  
 = Bodoni Ornaments glyph for U+0055  
 1FB4B ⋇ BODONI ORNAMENT-946 REVERSED  
 = Bodoni Ornaments glyph for U+0056  
 1FB4C ♣ BODONI ORNAMENT-947  
 = Bodoni Ornaments glyph for U+0077  
 1FB4D ♠ BODONI ORNAMENT-955  
 = Bodoni Ornaments glyph for U+0076  
 1FB4E ⋈ BODONI ORNAMENT-956  
 = Bodoni Ornaments glyph for U+0053  
 1FB4F ⋇ BODONI ORNAMENT-956 REVERSED  
 = Bodoni Ornaments glyph for U+0054  
 1FB50 ⦿ BODONI ORNAMENT-958  
 = Bodoni Ornaments glyph for U+0024  
 1FB51 ⦿ BODONI ORNAMENT-964  
 = Bodoni Ornaments glyph for U+2265  
 1FB52 ♣ BODONI ORNAMENT-972  
 = Bodoni Ornaments glyph for U+002A  
 1FB53 ⋈ BODONI ORNAMENT-973  
 = Bodoni Ornaments glyph for U+003F  
 1FB54 ⋇ BODONI ORNAMENT-973 REVERSED  
 = Bodoni Ornaments glyph for U+0040  
 1FB55 ✱ BODONI ORNAMENT-975  
 = Bodoni Ornaments glyph for U+0028  
 1FB56 ⋈ BODONI ORNAMENT-976  
 = Bodoni Ornaments glyph for U+0042  
 1FB57 ⋇ BODONI ORNAMENT-976 REVERSED  
 = Bodoni Ornaments glyph for U+0041  
 1FB58 ⦿ HEAVY EIGHT-TEARDROP-SPOKED PINWHEEL  
 ASTERISK  
 = Bodoni Ornament-977  
 = Bodoni Ornaments glyph for U+0023  
 → 2743 ✱ heavy teardrop-spoked pinwheel  
 asterisk  
 1FB59 ✱ BODONI ORNAMENT-981  
 = Bodoni Ornaments glyph for U+0072  
 1FB5A ⋈ BODONI ORNAMENT-982  
 = Bodoni Ornaments glyph for U+0075  
 1FB5B ♣ BODONI ORNAMENT-983  
 = Bodoni Ornaments glyph for U+0078  
 1FB5C ⋈ BODONI ORNAMENT-984  
 = Bodoni Ornaments glyph for U+0044  
 1FB5D ⋇ BODONI ORNAMENT-984 REVERSED  
 = Bodoni Ornaments glyph for U+0043  
 1FB5E ♣ BODONI ORNAMENT-985  
 = Bodoni Ornaments glyph for U+002E  
 1FB5F ⋈ BODONI ORNAMENT-990  
 = Bodoni Ornaments glyph for U+0051  
 1FB60 ⋇ BODONI ORNAMENT-990 REVERSED  
 = Bodoni Ornaments glyph for U+0052  
 1FB61 ⦿ BODONI ORNAMENT-991  
 = Bodoni Ornaments glyph for U+0074  
 1FB62 ♣ BODONI ORNAMENT-998  
 = Bodoni Ornaments glyph for U+0029  
 1FB63 ♣ BODONI ORNAMENT-999  
 = Bodoni Ornaments glyph for U+0035  
 1FB64 ⦿ BODONI ORNAMENT-1000  
 = Bodoni Ornaments glyph for U+0057

1FB65 ⦿ BODONI ORNAMENT-1000 REVERSED  
 = Bodoni Ornaments glyph for U+0058  
 1FB66 ⋈ BODONI ORNAMENT-1002  
 = Bodoni Ornaments glyph for U+0047  
 1FB67 ⋇ BODONI ORNAMENT-1002 REVERSED  
 = Bodoni Ornaments glyph for U+0048  
 1FB68 ⋈ BODONI ORNAMENT-1008  
 = Bodoni Ornaments glyph for U+004F  
 1FB69 ⋇ BODONI ORNAMENT-1008 REVERSED  
 = Bodoni Ornaments glyph for U+0050  
 1FB6A ⋈ BODONI ORNAMENT-1009  
 = Bodoni Ornaments glyph for U+005F  
 1FB6B ⋇ BODONI ORNAMENT-1013  
 = Bodoni Ornaments glyph for U+004B  
 1FB6C ⋈ BODONI ORNAMENT-1013 REVERSED  
 = Bodoni Ornaments glyph for U+004C  
 1FB6D ⋈ BODONI ORNAMENT-1015  
 = Bodoni Ornaments glyph for U+0049  
 1FB6E ⋇ BODONI ORNAMENT-1015 REVERSED  
 = Bodoni Ornaments glyph for U+004A  
 1FB6F ⋈ BODONI ORNAMENT-1018  
 = Bodoni Ornaments glyph for U+004D  
 1FB70 ⋇ BODONI ORNAMENT-1018 REVERSED  
 = Bodoni Ornaments glyph for U+004E  
 1FB71 ⋈ BODONI ORNAMENT-1021  
 = Bodoni Ornaments glyph for U+0045  
 1FB72 ⋇ BODONI ORNAMENT-1021 REVERSED  
 = Bodoni Ornaments glyph for U+0046  
 1FB73 ✱ BODONI ORNAMENT-1024  
 = Bodoni Ornaments glyph for U+002C  
 1FB74 ✱ BODONI ORNAMENT-1026  
 = Bodoni Ornaments glyph for U+002B  
 1FB75 ♣ BODONI ORNAMENT-1027  
 = Bodoni Ornaments glyph for U+0073  
 1FB76 ⦿ BODONI ORNAMENT-1032  
 = Bodoni Ornaments glyph for U+007B  
 1FB77 ⦿ BODONI ORNAMENT-1033  
 = Bodoni Ornaments glyph for U+007D  
 1FB78 ♣ BODONI ORNAMENT-1034  
 = Bodoni Ornaments glyph for U+0071

## 4. Examples and Figures

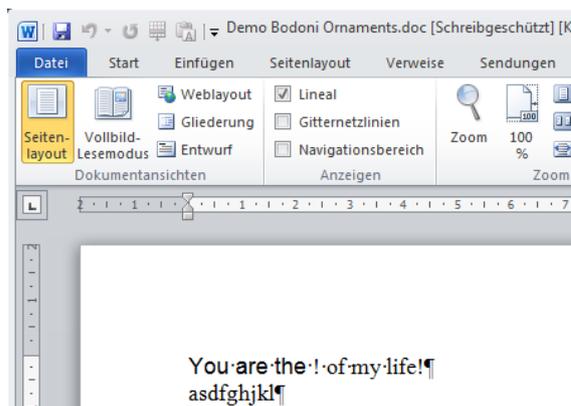
**Fig. 1:** Screenshot from an Apple iPad, showing the Bodoni Ornament font which is installed as part of the operating system there, by using the font display app "Typefaces" available for free in the iTunes App Store (as of 2012-05-06).



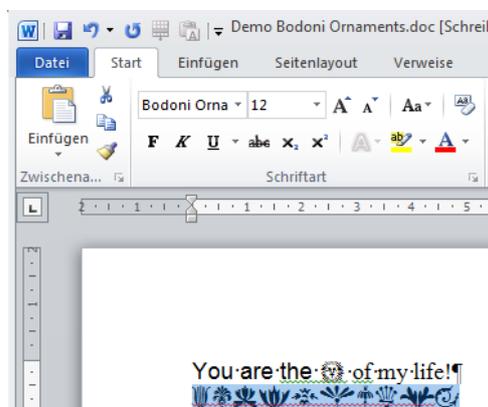
**Fig. 2:** Screenshot from an Apple iPad, using the original Apple app "Pages" to enter a document using the Bodoni Ornaments font. This document was sent by e-mail directly as Word document using the Export function of this app (see the result in fig. 3)..



**Fig. 3:** Screenshot from the Word document mentioned in the legend of fig. 2, after receiving it by e-mail on a PC (where the font Bodoni Ornaments is not installed). As the Bodoni Ornaments font reuses the "ASCII" (Basic Latin) code points for its symbols, the symbols appear as ordinary letters and punctuation marks, resembling the state of art of the pre-Unicode era.



**Fig. 4:** Only after installing the Bodoni Ornaments font on the PC and selecting it, the document from fig. 3 appears correct (the last fleuron in the second line in fact is the Word paragraph marker ¶, by its code point).

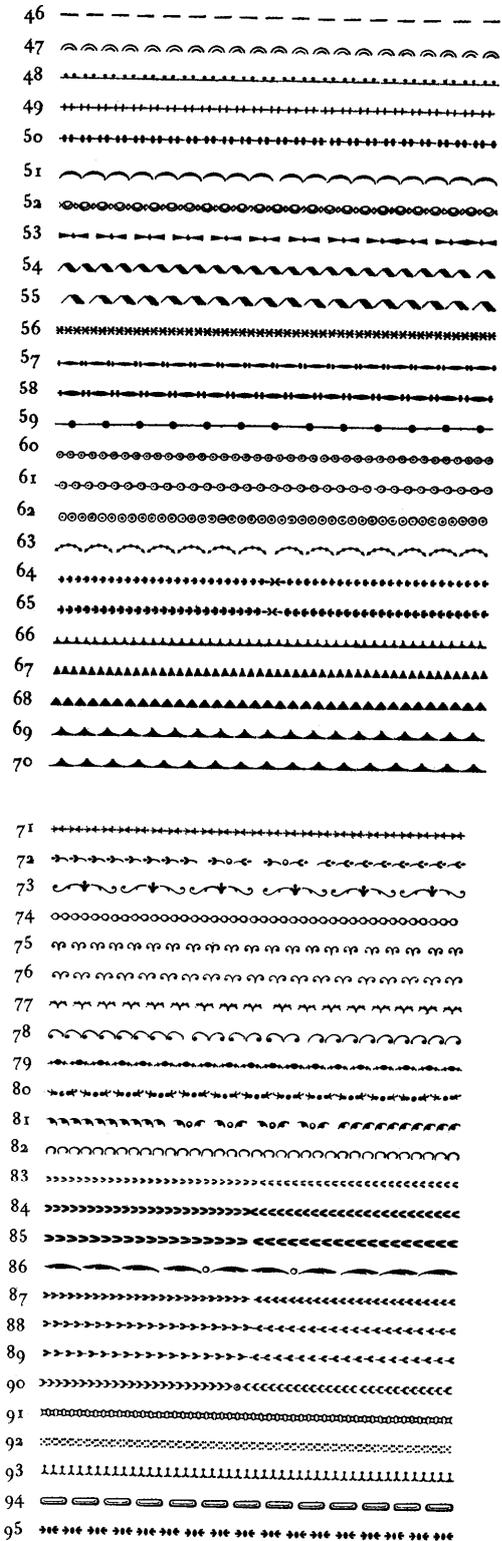
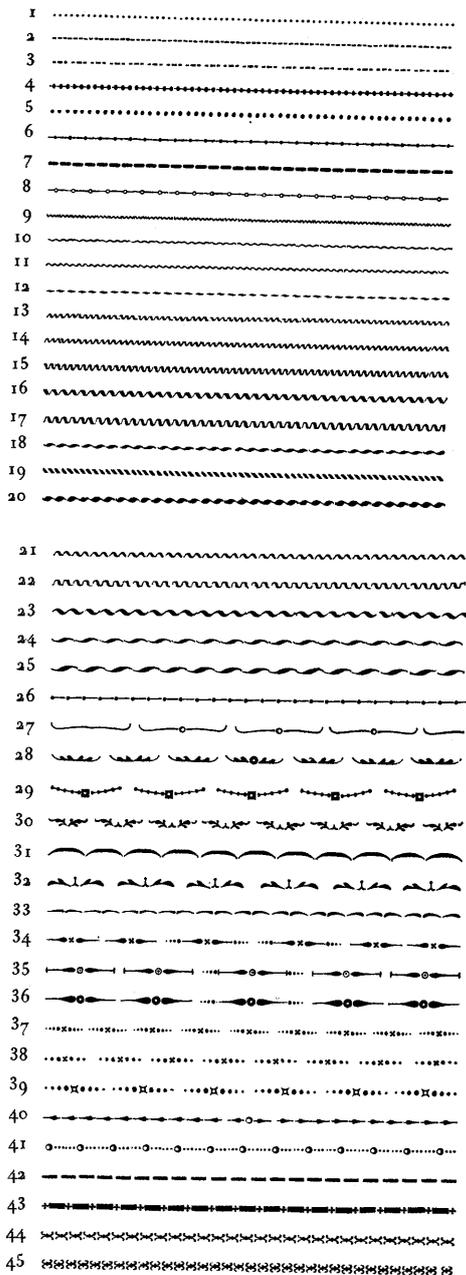


# F R E G I

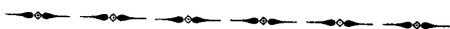
## FUSI SU DIVERSI CORPI DI CARATTERI.



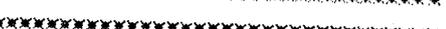
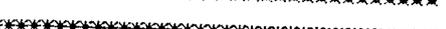
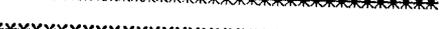
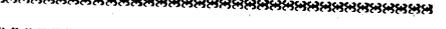
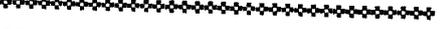
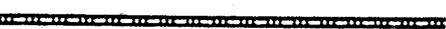
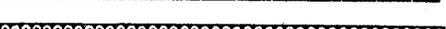
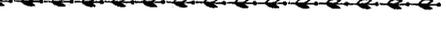
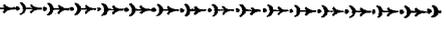
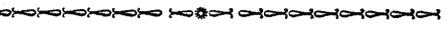
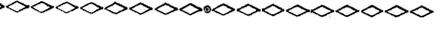
### PARMIGIANINA.

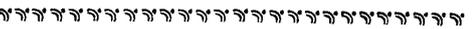
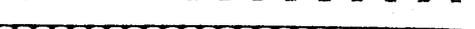
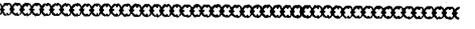
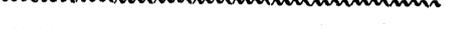




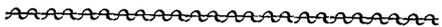
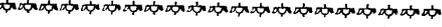
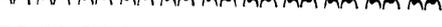
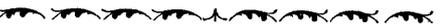
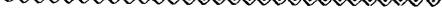
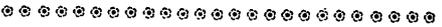
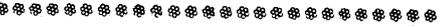
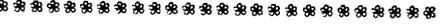
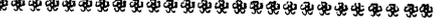
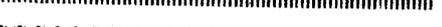
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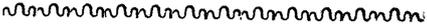
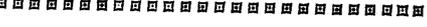
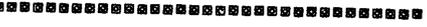
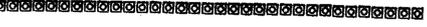
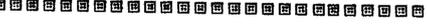
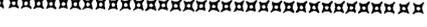
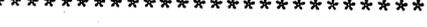
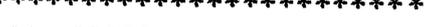
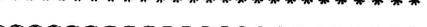
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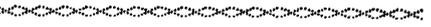
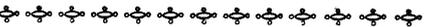
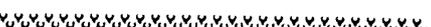
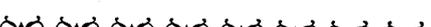
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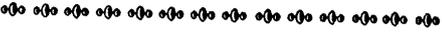
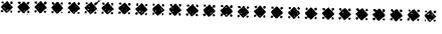
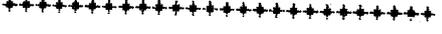
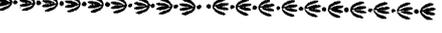
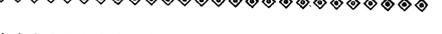
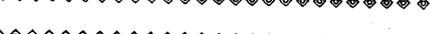
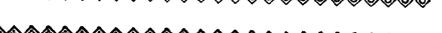
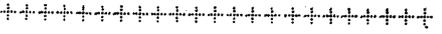
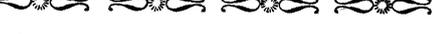
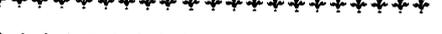
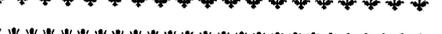
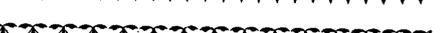
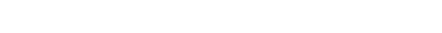


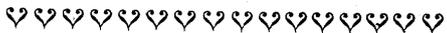
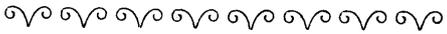
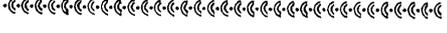
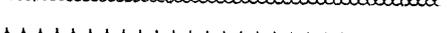
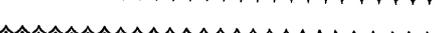
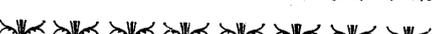
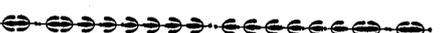
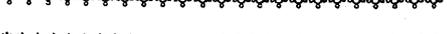
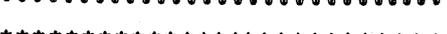
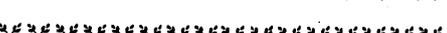
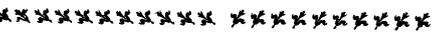
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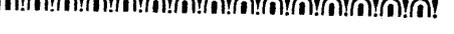
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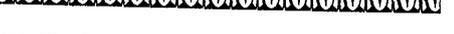
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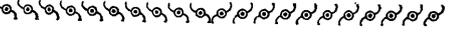
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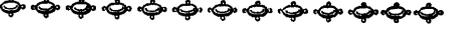
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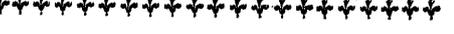
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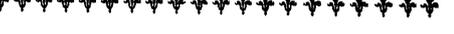
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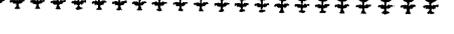
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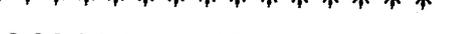
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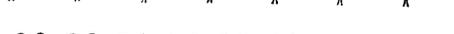
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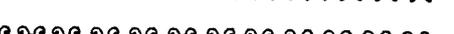
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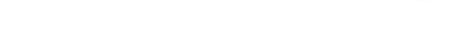
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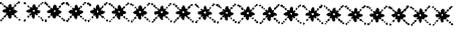
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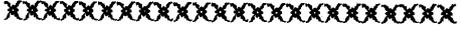
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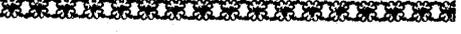
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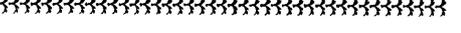
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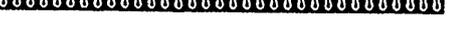
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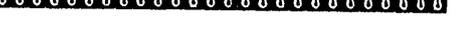
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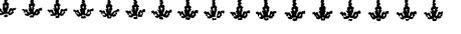
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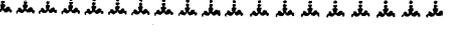
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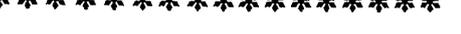
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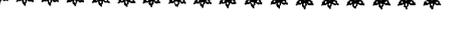
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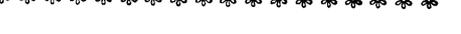
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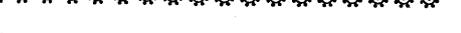
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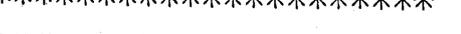
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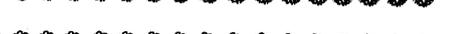
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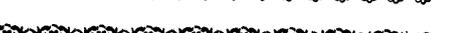
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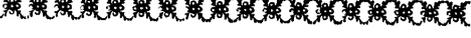
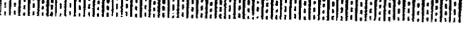
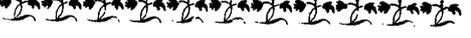
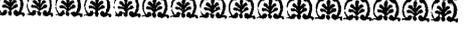
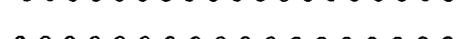
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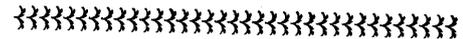
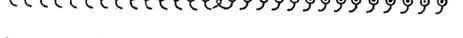
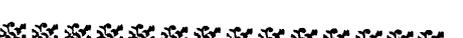
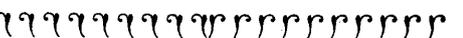
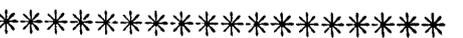
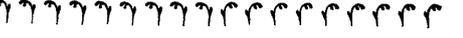
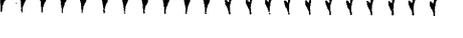
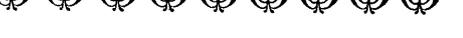
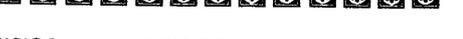
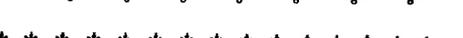
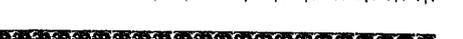
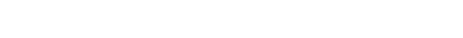
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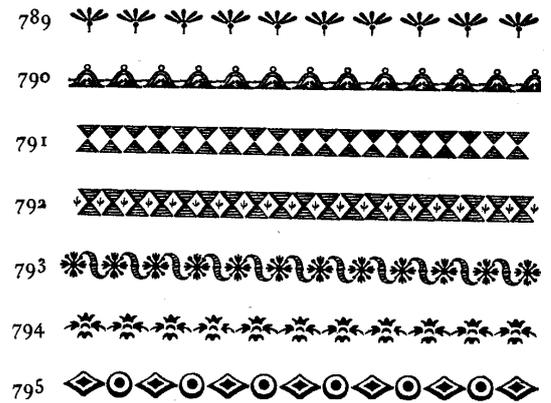
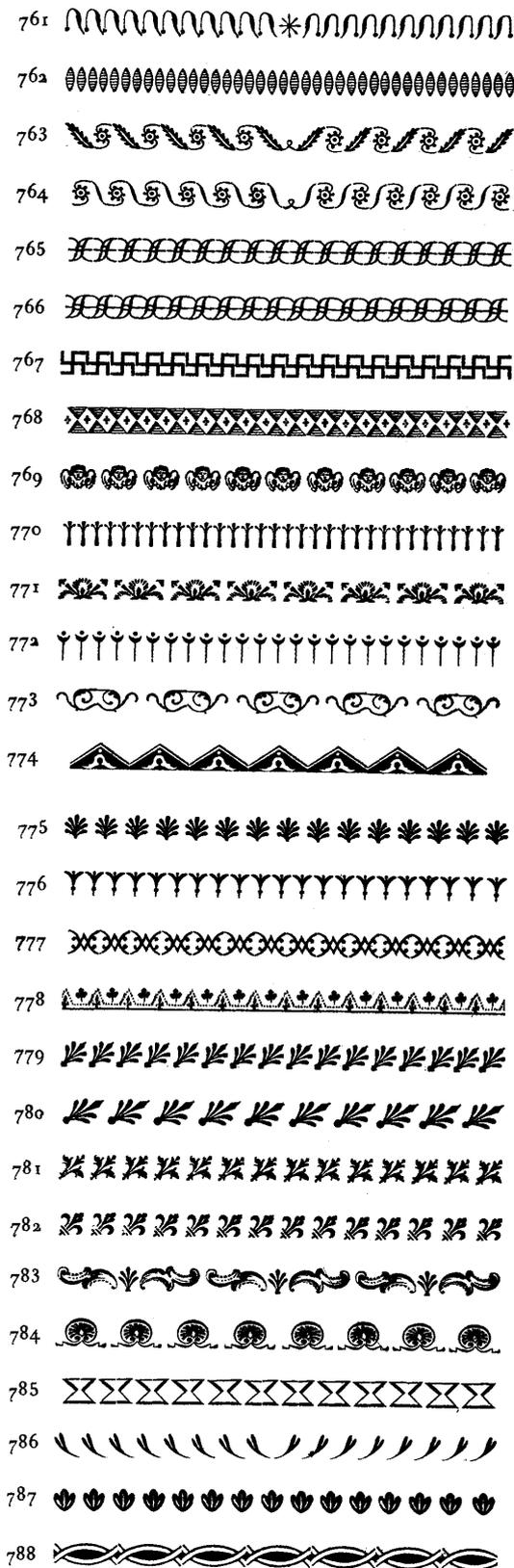
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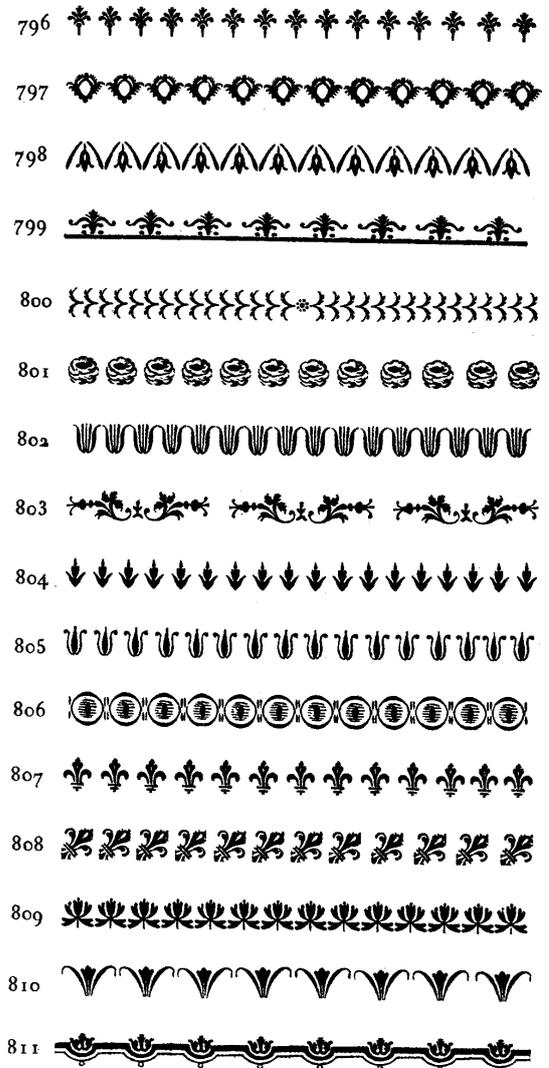
LET T U R A .

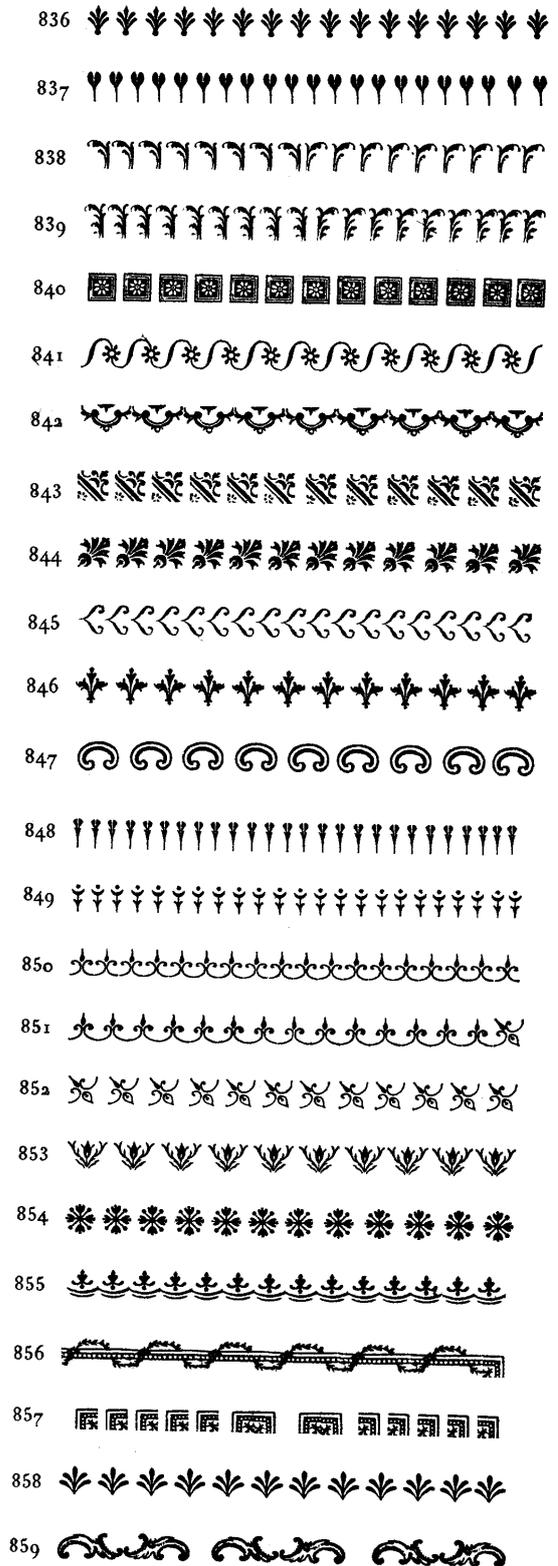
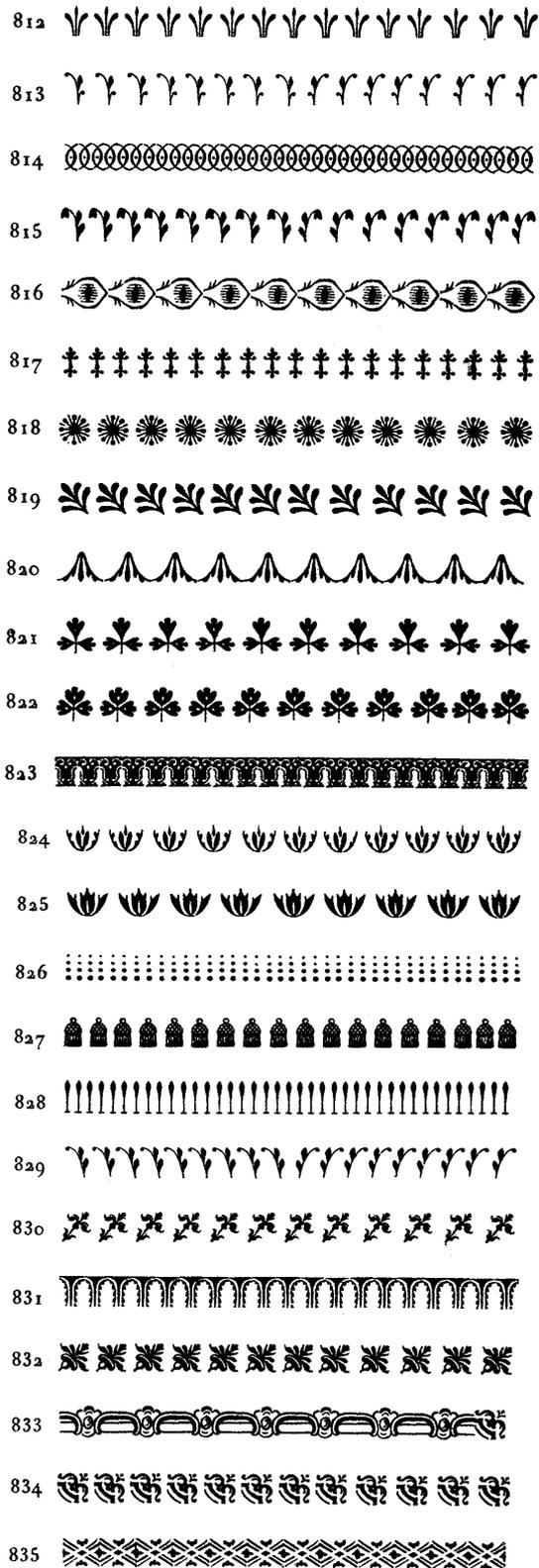
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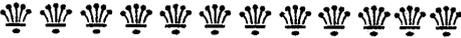
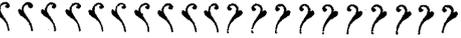
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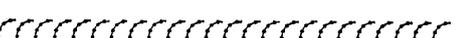
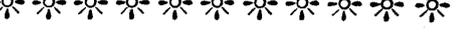
SILVIO.





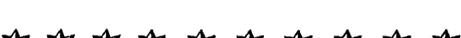
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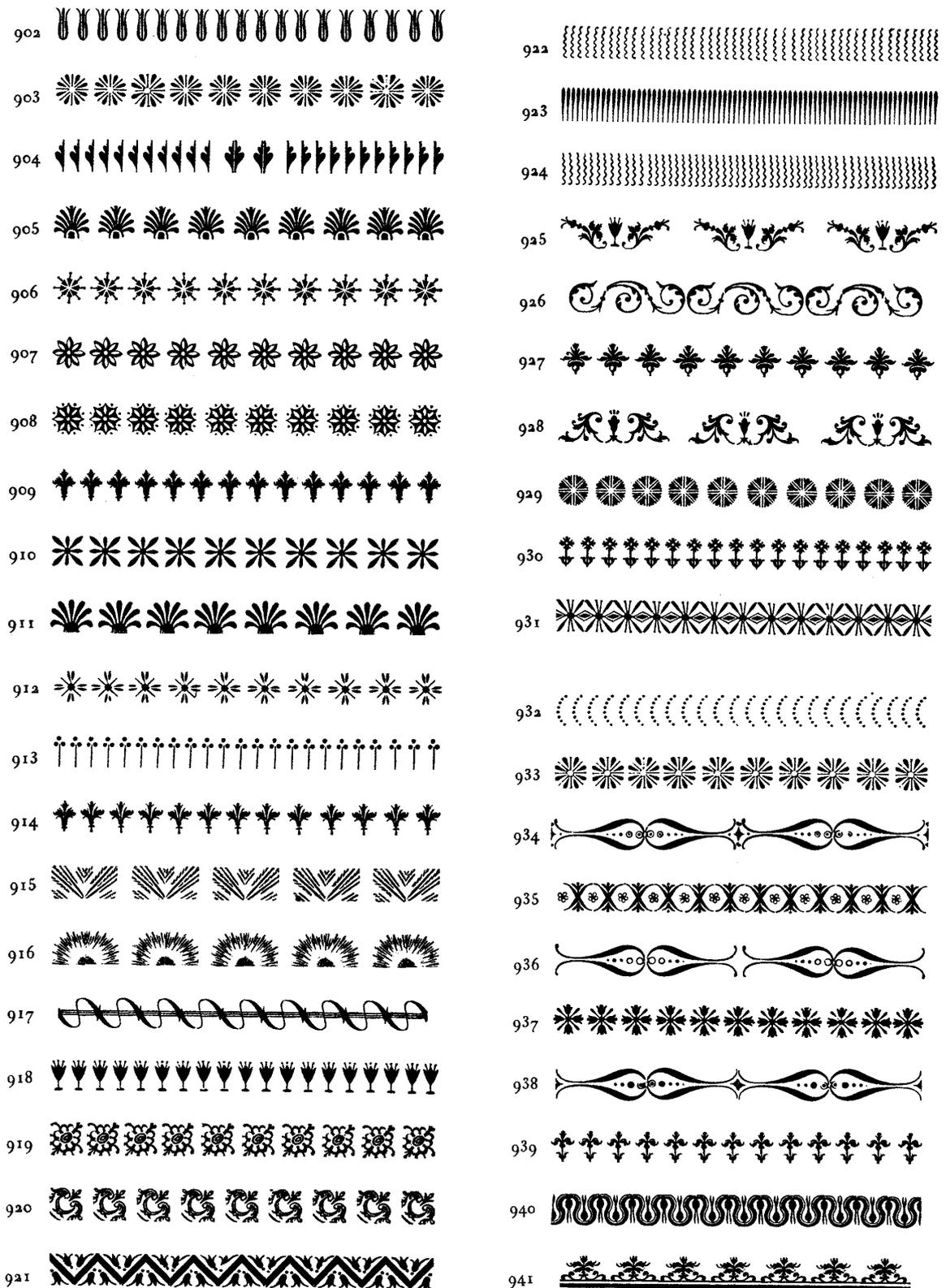
SOPRASILVIO.

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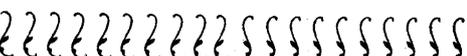
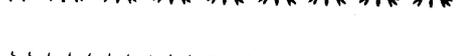
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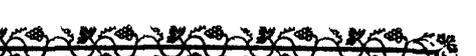
TESTO.

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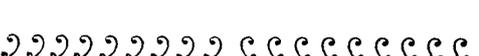
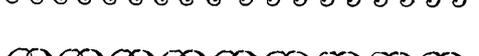


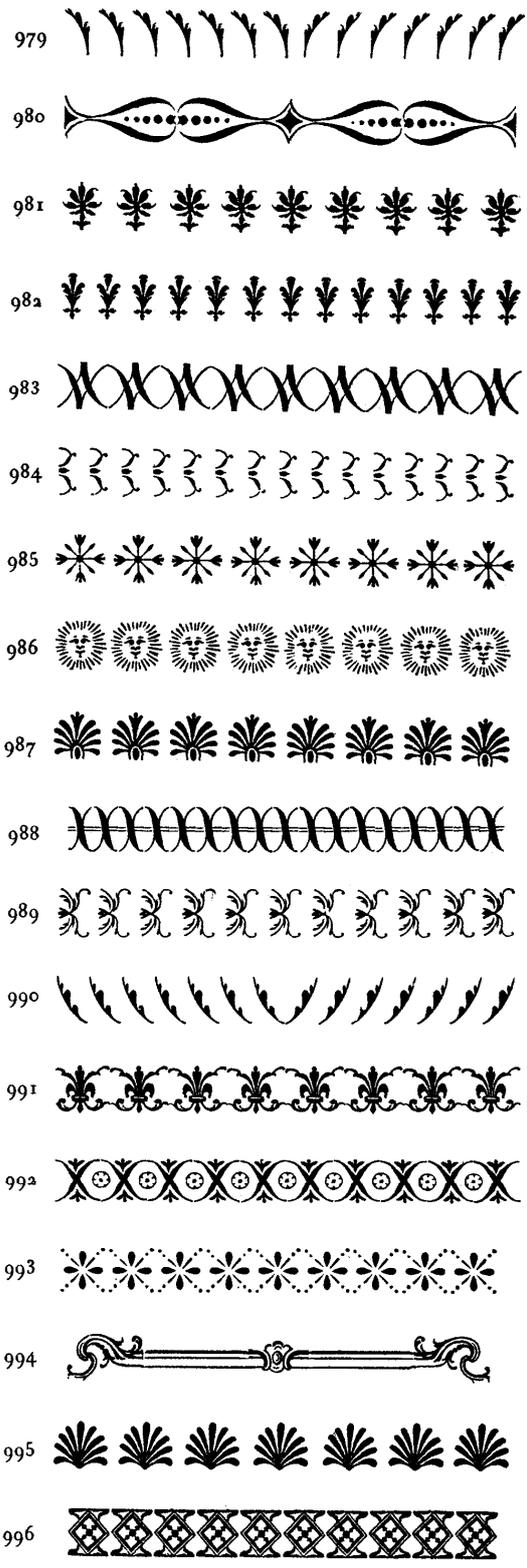
PARANGONE.

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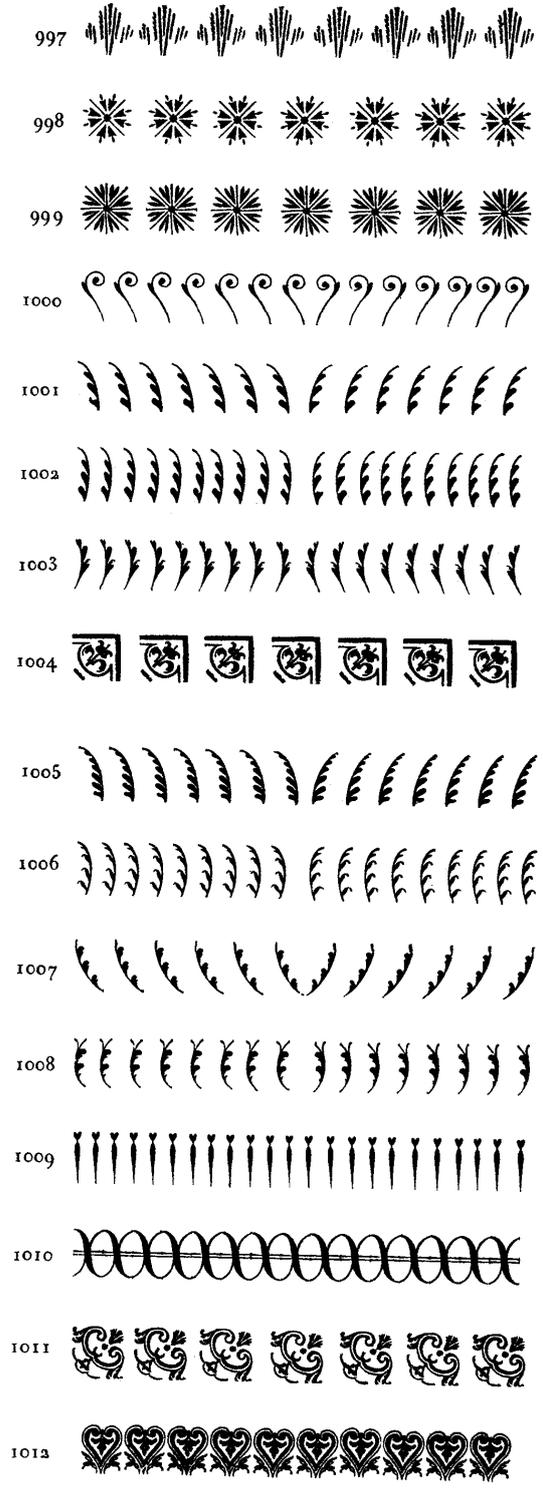
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ASCENDONICA.

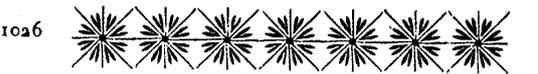
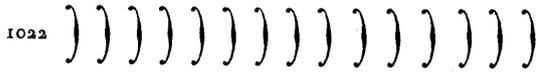
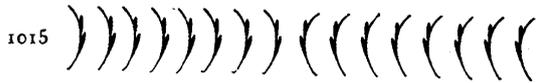
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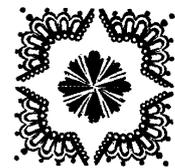
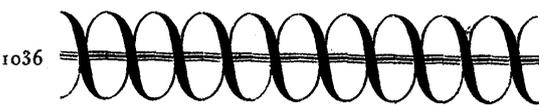
PALESTINA.



CANONCINO.



SOPRA-CANONCINO.



**ISO/IEC JTC 1/SC 2/WG 2  
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS  
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646<sup>1</sup>**

**Please fill all the sections A, B and C below.**

Please read Principles and Procedures Document (P & P) from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

**A. Administrative**

1. Title:	<b>Preliminary Proposal to encode Bodoni Ornament symbols in the UCS</b>
2. Requester's name:	<i>Karl Pentzlin</i>
3. Requester type (Member body/Liaison/Individual contribution):	<i>Individual Contribution</i>
4. Submission date:	<i>2012-07-25</i>
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	<input checked="" type="checkbox"/>
(or) More information will be provided later:	<input type="checkbox"/>

**B. Technical – General**

1. Choose one of the following:		
a. This proposal is for a new script (set of characters):	<input type="checkbox"/> <i>No</i>	
Proposed name of script:		
b. The proposal is for addition of character(s) to an existing block:	<input checked="" type="checkbox"/> <i>Supplement to one</i>	
Name of the existing block:	<i>New Block: Ornamental Dingbats Supplement</i>	
2. Number of characters in proposal:	<i>121</i>	
3. Proposed category (select one from below - see section 2.2 of P&P document):		
A-Contemporary <input checked="" type="checkbox"/>	B.1-Specialized (small collection) <input type="checkbox"/>	B.2-Specialized (large collection) <input type="checkbox"/>
C-Major extinct <input type="checkbox"/>	D-Attested extinct <input type="checkbox"/>	E-Minor extinct <input type="checkbox"/>
F-Archaic Hieroglyphic or Ideographic <input type="checkbox"/>	G-Obscure or questionable usage symbols <input type="checkbox"/>	
4. Is a repertoire including character names provided?	<input checked="" type="checkbox"/> <i>Yes</i>	
a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?	<input checked="" type="checkbox"/> <i>Yes</i>	
b. Are the character shapes attached in a legible form suitable for review?	<input checked="" type="checkbox"/> <i>Yes</i>	
5. Fonts related:		
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?	<i>TBD</i>	
b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):	<i>TBD</i>	
6. References:		
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?	<input checked="" type="checkbox"/> <i>Yes</i>	
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?	<input checked="" type="checkbox"/> <i>Yes</i>	
7. Special encoding issues:		
Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?	<input type="checkbox"/> <i>n/a</i>	

**8. Additional Information:**

Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database ( <http://www.unicode.org/reports/tr44/> ) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

**C. Technical - Justification**

<sup>1</sup> Form number: N3902-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03)

1. Has this proposal for addition of character(s) been submitted before? If YES explain	No
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? If YES, with whom? If YES, available relevant documents:	Yes <i>The author himself is a member of the user community</i> <i>see text</i>
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:	Yes <i>All users of contemporary equipment supplied by Apple (several millions of users)</i>
4. The context of use for the proposed characters (type of use; common or rare) Reference:	Common <i>see text</i>
5. Are the proposed characters in current use by the user community? If YES, where? Reference:	Yes <i>see text</i>
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference:	No
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	Yes
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? If YES, is a rationale for its inclusion provided? If YES, reference:	No
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? If YES, is a rationale for its inclusion provided? If YES, reference:	No
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character? If YES, is a rationale for its inclusion provided? If YES, reference:	No
11. Does the proposal include use of combining characters and/or use of composite sequences? If YES, is a rationale for such use provided? If YES, reference: Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? If YES, reference:	No
12. Does the proposal contain characters with any special properties such as control function or similar semantics? If YES, describe in detail (include attachment if necessary)	No
13. Does the proposal contain any Ideographic compatibility characters? If YES, are the equivalent corresponding unified ideographic characters identified? If YES, reference:	No