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Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

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[Continued on next page]

(54) Title: EFFICIENT APPLICATION-NEUTRAL VECTOR DOCUMENTS

(57) Abstract: One or more techniques and/or systems are disclosed for generating application-neutral vector documents that provide for improved performance. A first glyph run for rendering a first portion of an application-neutral vector document is received, and assigned to a first set, based on its rendering characteristics. A second glyph run for rendering a second portion of the application-neutral vector document is received, and assigned to the first set if its rendering characteristics are compatible with the first glyph run's rendering characteristics; otherwise, it is assigned to a second set. Respective glyph runs are combined for respective sets into one or more combined glyph runs by combining strings to be rendered from the glyphs runs into a combined string, where the strings are combined in a sequence corresponding to an intended rendering. The application-neutral vector document, comprising the one or more combined glyph runs, is generated.

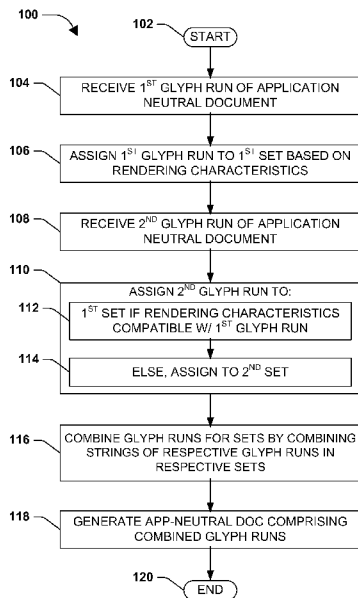


FIG. 1

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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*


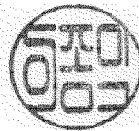
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A. CLASSIFICATION OF SUBJECT MATTER		
<i>G06F 17/21(2006.01)i, G06T 11/20(2006.01)i</i>		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) G06F 17/21; G06F 15/00; G06F 17/30; G06F 17/28		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models Japanese utility models and applications for utility models		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords:style,group,document		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7249318 B1 (CORELL, ROB K. et al) 24 July 2007 See abstract, Figures 1-2, descriptions [row 55,column 1] - [row 64,column 5], and claims.	1,3,8-10
A	US 2008-0189600 A1 (LAU, TESSA et al.) 07 August 2008 See abstract and claims.	1-15
A	US 2009-0327285 A1 (MANSFIELD, PHILIP ANDREW et al.) 31 December 2009 See abstract and claims.	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 14 NOVEMBER 2011 (14.11.2011)		Date of mailing of the international search report 15 NOVEMBER 2011 (15.11.2011)
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7249318 B1	24.07.2007	US 7805671 B1	28.09.2010
US 2008-0189600 A1	07.08.2008	None	
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		US 2011-0119272 A1	19.05.2011
		US 7603351 B2	13.10.2009
		US 7899826 B2	01.03.2011