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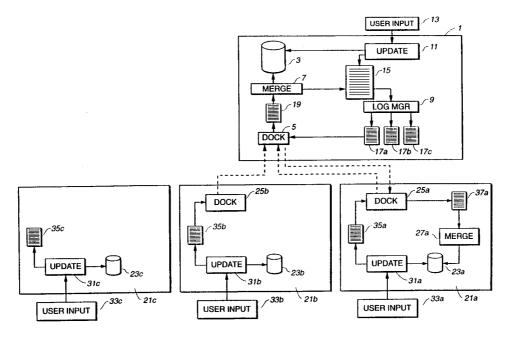
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(54) Title: MIGRATING TO A SUCCESSIVE SOFTWARE DISTRIBUTION LEVEL



### (57)Abstract

A method of upgrading (31-b of Fig. 1) a software application (35-b) from a prior version to a subsequent version while preserving user modifications to the prior application. The method includes comparing differences between the two versions of the software applications. This is followed by enumerating the differences between the two versions of the software applications; and determining which differences between the two versions of the software are conflicting and which are compatible. The compatible changes are made (7). Also disclosed is an article of manufacture containing computer readable program code for carrying out the above process, and a program storage device carrying the code.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  IPC(6) :GO6F 9/44  US CL :395/703								
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)								
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
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C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category* Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No.						
X EPO 0498130A2 (FURTNEY) 08 COL. 1-12.	DECEMBER 1992, SEE	1-11						
A USA 4,558,413 (SCHMIDT ET A COL. 1-11	USA 4,558,413 (SCHMIDT ET AL.) 10 DECEMBER 1985, COL. 1-11							
A USA 5,574,898 (LEBLANG ET AL	USA 5,574,898 (LEBLANG ET AL.) 12 NOVEMBER 1996							
A USA 5,481,722 (SKINNER) 2 JAN	NUARY 1996, COL. 1-4	1-11						
A USA 4,809,170 (LEBLANG ET A COL. 1-13	USA 4,809,170 (LEBLANG ET AL.) 28 FEBRUARY 1989, COL. 1-13							
A USA <del>5</del> ,493,682 (TYRA ET AL.) 2	USA <del>5</del> ,493,682 (TYRA ET AL.) 20 FEBRUARY 1996, COL.							
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