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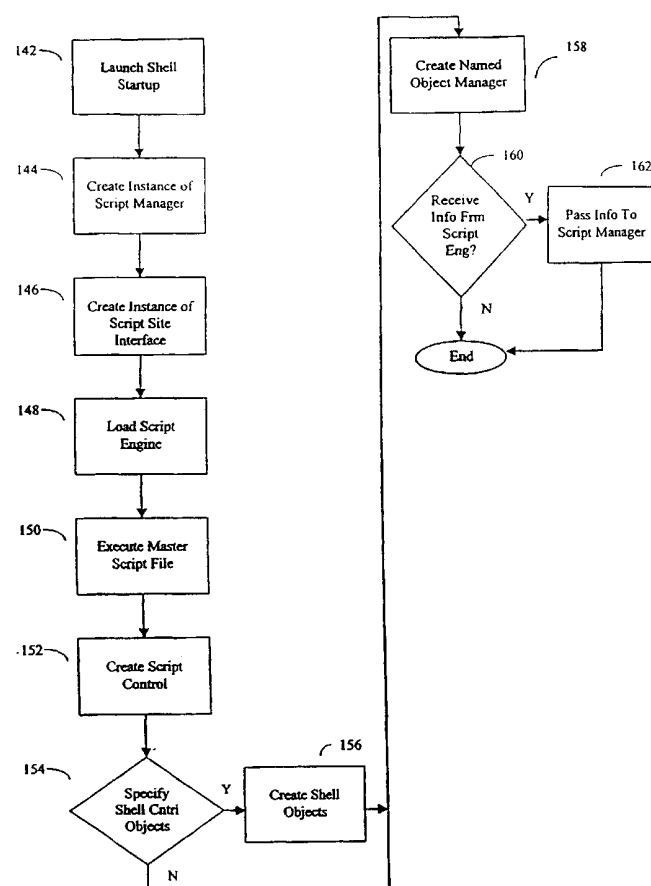
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(54) Title: METHOD AND APPARATUS FOR PRODUCING FUNCTIONALITY AND USER INTERFACES FOR DEVICES HAVING AN EMBEDDED OPERATING SYSTEM



(57) Abstract: The present invention is a comprehensive, flexible and extensible software technology used to easily create, implement and modify User Interfaces (UIs) [20] and shells [142]. The software tool includes a powerful design framework suitable for general purpose computing devices and ideal for mission-focused embedded devices. The software tools offers unlimited variations of navigational structure and appearance; an expansive choice of component commands with a simple scripting language [10]; an ability to switch easily among multiple personalities on a single machine; and administrative control over permissions to password-protected commands. The shell functionality [126] produced by the software includes application launching; file [150] and task management [162]; flexible control panels; power notifications; and shell application programming interfaces [146].

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US CL : 345/650, 676, 760, 761, 762, 763; 707/1, 9, 10

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST AND EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,222,537 B1 (SMITH et al) 24 APRIL 2001, see columns 2-5.	1-5, 17-20
Y	US 6,252,591 B1 (DOCKWEILER et al) 26 JUNE 2001, see columns 1-2.	6-16
A, P	US 6,031,623 A (SMITH et al) 29 FEBRUARY 2000, see entire document	1-20
A, P	US 5,991,534 A (HAMILTON et al), 23 NOVEMBER 1999, see entire document.	1-20
A, P	US 5,778,368 A (HOGAN et al) 07 JULY 1998, see entire document.	1-20



Further documents are listed in the continuation of Box C.



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