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(54) Title: ADDRESS TRANSLATION SYSTEM FOR USE IN A SIMULATION ENVIRONMENT

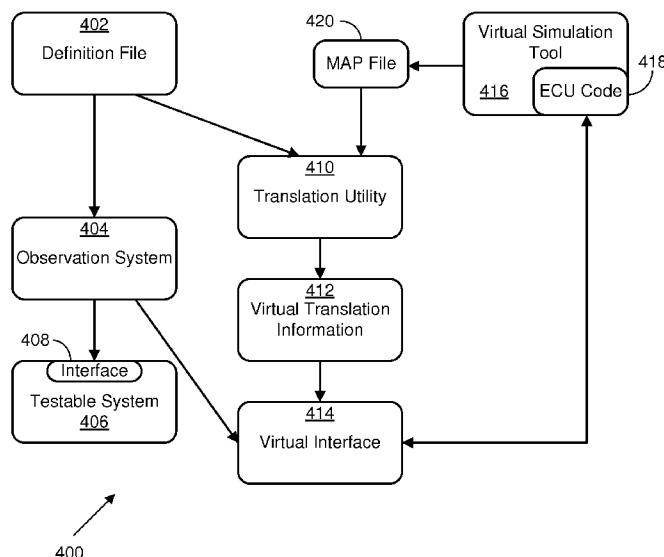


Fig. 4

(57) Abstract: Methods and systems for simulation of a testable system are provided in which a virtual testable system is used. One method includes inputting a system definition file into a translation utility, where the system definition file includes a plurality of physical addresses required for execution of the system definition file in the testable system. The method also includes inputting a memory map file into the translation utility, the memory map representing a virtual memory space for a virtual testable system. The method further includes generating virtual translation information by translating the physical addresses into virtual addresses using the memory map file.

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## A. CLASSIFICATION OF SUBJECT MATTER

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## B. FIELDS SEARCHED

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G06F G05B

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 practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                                                                                                                            | Relevant to claim No. |
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| Y         | <p>OTTERBACH R ET AL: "BYPASSING FUER DIE ZUKUNFT//RAPID CONTROL PROTOTYPING DEVELOPMENT FOR ELECTRONIC AUTOMOBILE CONTROL SYSTEMS"</p> <p>AUTO &amp; ELEKTRONIK, HUETHIG, HEIDELBERG, DE,</p> <p>vol. 35, no. 9,</p> <p>1 September 2004 (2004-09-01), page 60/61,</p> <p>XP001206920</p> <p>ISSN: 1439-6556</p> <p>the whole document</p> <p style="text-align: center;">-----<br/>-/--</p> | 1-25                  |



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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## INTERNATIONAL SEARCH REPORT

### Information on patent family members

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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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