A dynamic vehicle tester providing integrated testing and simulation for determining characteristics of a unit under test. Changes occurred on the unit under test are dynamically obtained, considered and incorporated in generating test conditions to be applied to the unit under test. Additionally, durability testing is conducted using such techniques that compares a physical specimen under test to a real-time model of that specimen.
INTERNATIONAL SEARCH REPORT

PCT/US2007/011240

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01M17/00
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)

GOIM

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>US 6 234 Oil B1 (YAMAGISHI WATARU [JP] ET AL) 22 May 2001 (2001-05-22) abstract figures 1-11 column 1, line 5 - column 2, line 41 column 4, line 37 - column 5, line 44 claims 1-12</td>
<td>1-23</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:
1A* document defining the general state of the art which is not considered to be of particular relevance
1E* earlier document but published on or after the international filing date
1L1 document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
1O1 document referring to an oral disclosure, use, exhibition or other means
1P document published prior to the international filing date but later than the priority date claimed
1T1 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
1X1 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
1Y1 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.
1&1 document member of the same patent family

Date of the actual completion of the international search: 11 January 2008
Date of mailing of the international search report: 18/01/2008

Name and mailing address of the ISA:
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer
Daman, Marcel
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PCT/ISA/210 (patent family annex) (April 2008)