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(88) Date of publication of the international search report: 13 April 2006

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VEHICLE WITH CONNECTABLE FOUR-WHEEL DRIVE

(57) Abstract: A connectable four-wheel drive vehicle (1) has an engine (4) having a drive shaft (5), two main drive wheels (3) connected permanently to the drive shaft (5) by the interposition of a gearbox (10) having a first clutch (8); and two secondary drive wheels (2) selectively connectable to the drive shaft (5) by a connectable drive system (15); the connectable drive system (15) has a second clutch (17) which, on one side, is connected with a fixed velocity ratio to the drive shaft (5) upstream from the gearbox (10), and, on the other side, is connected with a fixed velocity ratio to the secondary drive wheels (2).
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60K23/08

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)

IPC 7 B60K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of database and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

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>EP 0 442 446 A (NISSAN MOTOR CO., LTD) 21 August 1991 (1991-08-21) the whole document</td>
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Date of the actual completion of the International search

19 May 2005

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

Date of mailing of the international search report

15 SEP. 2005

Authorized officer

Clasen, M
INTERNATIONAL SEARCH REPORT

Box II  Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III  Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☑ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

   1-19

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19

   A connectable four-wheel drive vehicle comprising two main drive wheels connected permanently and two secondary drive wheels selectively connectable wherein the connectable drive system comprises a second clutch which, is connected mechanically to the drive shaft upstream from the gearbox.

2. claim: 20

   A connectable four-wheel drive vehicle having a drive shaft and front and rear wheels wherein the drive shaft is connected on one side to the front wheels and on the other side to the rear wheels.
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