

TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference H117-0241	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2018/004748	International filing date (<i>day/month/year</i>) 09.02.2018	Priority date (<i>day/month/year</i>) 29.03.2017
International Patent Classification (IPC) or national classification and IPC B62M7/02 (2006.01) i, F01N3/24 (2006.01) i, F01N13/08 (2010.01) i		
Applicant HONDA MOTOR CO., LTD.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

3. This report is also accompanied by ANNEXES, comprising:

a. (*sent to the applicant and to the International Bureau*) a total of 7 sheets, as follows:

- sheets of the description, claims and/or drawings which have been amended and/or sheets containing rectifications authorized by this Authority, unless those sheets were superseded or cancelled, and any accompanying letters (see Rules 46.5, 66.8, 70.16, 91.2, and Section 607 of the Administrative Instructions).
- sheets containing rectifications, where the decision was made by this Authority not to take them into account because they were not authorized by or notified to this Authority at the time when this Authority began to draw up this report, and any accompanying letters (Rules 66.4bis, 70.2(e), 70.16 and 91.2).
- superseded sheets and any accompanying letters, where this Authority either considers that the superseding sheets contain an amendment that goes beyond the disclosure in the international application as filed, or the superseding sheets were not accompanied by a letter indicating the basis for the amendments in the application as filed, as indicated in item 4 of Box No. I and the Supplemental Box (see Rule 70.16(b)).

b. (*sent to the International Bureau only*) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing, in the form of an Annex C/ST.25 text file, as indicated in the Supplemental Box Relating to Sequence Listing (see paragraph 3ter of Annex C of the Administrative Instructions).

4. This report contains indications relating to the following items:

- Box No. I Basis of the report
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2018/004748

Box No. I	Basis of the report
1.	<p>With regard to the language, this report is based on:</p> <p><input checked="" type="checkbox"/> the international application in the language in which it was filed</p> <p><input type="checkbox"/> a translation of the international application into _____, which is the language of a translation furnished for the purposes of:</p> <p><input type="checkbox"/> international search (Rules 12.3(a) and 23.1(b))</p> <p><input type="checkbox"/> publication of the international application (Rule 12.4(a))</p> <p><input type="checkbox"/> international preliminary examination (Rule 55.2(a) and/or 55.3(a))</p>
2.	<p>With regard to the elements of the international application, this report is based on (<i>replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report</i>):</p> <p><input type="checkbox"/> the international application as originally filed/furnished</p> <p><input checked="" type="checkbox"/> the description:</p> <p>pages <u>1-40</u> as originally filed/furnished.</p> <p>pages* _____ received by this Authority on _____</p> <p>pages* _____ received by this Authority on _____</p> <p><input checked="" type="checkbox"/> the claims:</p> <p>Nos. _____ as originally filed/furnished.</p> <p>Nos.* _____ as amended (together with any statement) under Article 19</p> <p>Nos.* <u>1-15</u> received by this Authority on <u>30.05.2018</u></p> <p><input checked="" type="checkbox"/> the drawings:</p> <p>pages <u>figures 1-21</u> as originally filed/furnished.</p> <p>pages* _____ received by this Authority on _____</p> <p>pages* _____ received by this Authority on _____</p> <p><input type="checkbox"/> a sequence listing – see Supplemental Box Relating to Sequence Listing.</p>
3.	<p><input type="checkbox"/> The amendments have resulted in the cancellation of:</p> <p><input type="checkbox"/> the description, pages _____</p> <p><input type="checkbox"/> the claims, Nos. _____</p> <p><input type="checkbox"/> the drawings, sheets/figs _____</p> <p><input type="checkbox"/> the sequence listing (<i>specify</i>): _____</p>
4.	<p><input type="checkbox"/> This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since either they are considered to go beyond the disclosure as filed, or they were not accompanied by a letter indicating the basis for the amendments in the application as filed, as indicated in the Supplemental Box (Rule 70.2(c) and (c-bis)):</p> <p><input type="checkbox"/> the description, pages _____</p> <p><input type="checkbox"/> the claims, Nos. _____</p> <p><input type="checkbox"/> the drawings, sheets/figs _____</p> <p><input type="checkbox"/> the sequence listing (<i>specify</i>): _____</p>
5.	<p><input type="checkbox"/> This report has been established:</p> <p><input type="checkbox"/> taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rules 66.1(d-bis) and 70.2(e)).</p> <p><input type="checkbox"/> without taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rules 66.1bis and 70.2(e)).</p>
6.	<p>With regard to top-up searches (Rules 66.1ter and 70.2(f)):</p> <p><input checked="" type="checkbox"/> A top-up search was carried out by this Authority on <u>01.04.2019</u></p> <p><input checked="" type="checkbox"/> Additional relevant documents have been discovered during the top-up search.</p> <p><input type="checkbox"/> No top-up search was carried out by this Authority because it would serve no useful purpose.</p>
7.	<p><input type="checkbox"/> Supplementary international search report(s) from Authority(ies) _____</p> <p>has/have been received and taken into account in establishing this report (Rule 45bis.8(b) and (c)).</p> <p><i>* If item 4 applies, some or all of those sheets may be marked "superseded."</i></p>

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2018/004748

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-15	YES
	Claims		NO
Inventive step (IS)	Claims	1-15	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
Document 1:	JP 5-240036 A (YAMAHA MOTOR CO., LTD.) 17 September 1993, paragraphs [0012]-[0020], [0029], fig. 1-7 (Family: none)		
Document 2:	JP 2006-250129 A (HONDA MOTOR CO., LTD.) 21 September 2006, paragraphs [0018], [0049], fig. 1, 3 (Family: none)		
Document 3:	JP 5-98959 A (HONDA MOTOR CO., LTD.) 20 April 1993, paragraphs [0022], [0029], fig. 1-6 (Family: none)		
Document 4:	JP 2008-45515 A (HONDA MOTOR CO., LTD.) 28 February 2008, paragraphs [0024], [0026], [0029]-[0033], [0047], [0048], [0070], fig. 1-11 (Family: none)		
Document 5:	WO 2014/129014 A1 (HONDA MOTOR CO., LTD.) 28 August 2014, paragraphs [0020], [0023]- [0025], [0032], [0037], fig. 1-4 & EP 2960457 A1, paragraphs [0049], [0050], [0054]-[0063], [0078], [0085]-[0087], fig. 1-4 & CN 104995381 A		
Document 6:	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model		

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
Document 7:	<p>Application No. 84547/1985 (Laid-open No. 200409/1986) (NISSAN MOTOR CO., LTD.) 15 December 1986, specification, page 5, line 18 to page 7, line 13, fig. 1, 2 (Family: none)</p> <p>JP 2016-182926 A (HONDA MOTOR CO., LTD.) 20 October 2016, paragraphs [0024]-[0033], fig. 1-4 (Family: none)</p>
Document 8:	<p>JP 10-325316 A (SUZUKI MOTOR CORPORATION) 08 December 1998 (Family: none)</p>
Document 9:	<p>Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 86386/1973 (Laid-open No. 32749/1975) (FUJITA, Takeo) 09 April 1975 (Family: none)</p>
	<p>The invention as in claims 1-15 is not disclosed in any of the documents cited in the ISR, and would not be obvious to a person skilled in the art.</p>
	<p>The documents cited in the ISR and in the present IPRP2 do not disclose or suggest a saddle-type vehicle that has a link member arranged above a crankcase and in which the diameter of a catalyst device at least partially arranged below a cylinder part and positioned in an area between a virtual line connecting a link member connection part and the front end of the crankcase and a virtual line connecting an exhaust pipe connection part and the link member connection part in a side view is larger than the diameter of an upstream exhaust pipe and the diameter of a downstream exhaust pipe.</p>