

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference JLRP10632WO1	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2019/078481	International filing date (<i>day/month/year</i>) 21 October 2019 (21-10-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 30 November 2018 (30-11-2018)
Applicant JAGUAR LAND ROVER LIMITED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6*bis*(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 4
 as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention
- b. none of the figures is to be published with the abstract

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A vehicle system for use in a vehicle, comprising a vehicle cabin defined, at least in part, by an upper cabin surface and a lower cabin surface, the vehicle system comprising an air flow system and at least one seat (60, 62, 64, 66) that defines a seating area (77a, 77b, 77c, 77d) for a user, the air flow system comprising at least one air vent (78) disposed in at least one of the upper cabin surface and the lower cabin surface, and an airflow apparatus configured to direct an airflow through the at least one air vent (78), and wherein the at least one air vent (78) is configured to direct the airflow around a periphery (76a, 76b, 76c, 76d) within which the seating area (77a, 77b, 77c, 77d) is defined so as to generate a thermal curtain at least partly around the seating area (77a, 77b, 77c, 77d) .

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2019/078481

A. CLASSIFICATION OF SUBJECT MATTER
INV. B60H1/00 B60H1/24
ADD.
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)
B60H

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)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP H07 156647 A (NIPPON DENSO CO) 20 June 1995 (1995-06-20) paragraphs [0015] - [0055]; figures 1-11 -----	1-20
X	DE 10 2017 003550 A1 (DAIMLER AG [DE]) 18 October 2018 (2018-10-18) paragraphs [0006] - [0010], [0026] - [0077]; figures 1-7 -----	1-20
X	JP 2015 199461 A (SANDEN HOLDINGS CORP) 12 November 2015 (2015-11-12) paragraphs [0026] - [0108]; figures 1-15 -----	1-20
X	JP 2018 043727 A (TOYOTA AUTO BODY CO LTD) 22 March 2018 (2018-03-22) paragraphs [0022] - [0097]; figures 1-14 -----	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" 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)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" 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
- "X" 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
- "Y" 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
- "&" document member of the same patent family

Date of the actual completion of the international search 17 January 2020	Date of mailing of the international search report 30/01/2020
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Flori, Massimiliano
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2019/078481

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP H07156647 A	20-06-1995	JP 3284710 B2 JP H07156647 A	20-05-2002 20-06-1995

DE 102017003550 A1	18-10-2018	NONE	

JP 2015199461 A	12-11-2015	JP 6370083 B2 JP 2015199461 A	08-08-2018 12-11-2015

JP 2018043727 A	22-03-2018	NONE	
