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[Continued on next page]

(54) Title: OPERATING DEVICE FOR A SHIFT BY WIRE ASSEMBLY

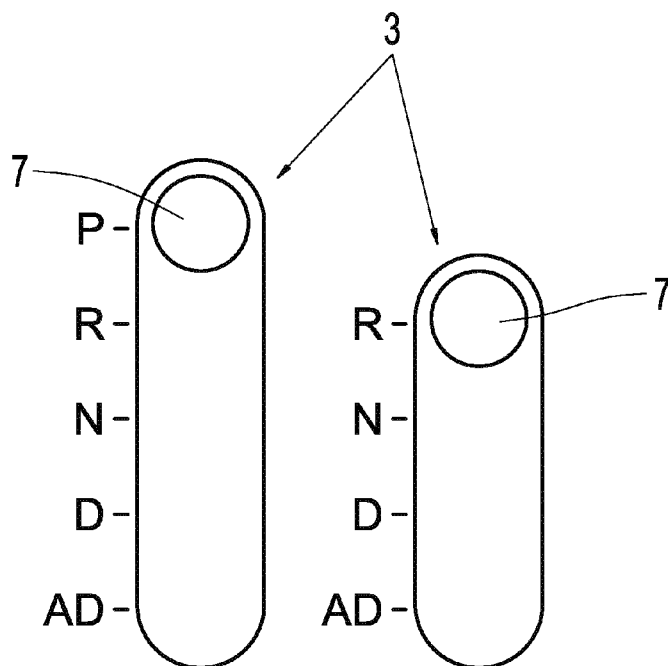


Fig. 1b

(57) Abstract: The invention relates to an operating device (1) for a shift by wire assembly in an automobile with a selection apparatus (5) configured to select an Operation mode (R, N, D) of the automobile, wherein the selectable Operation modes comprise a reverse Operation mode (R), a neutral Operation mode (N) and a drive Operation mode (D), wherein the selection apparatus (5) is further configured to select an autonomous drive Operation mode (AD).



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. F16H59/02 F16H59/08 F16H59/10 F16H59/12 B60W50/08
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)

F16H B60W

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2015/024708 A1 (VOLKSWAGEN AG [DE]) 26 February 2015 (2015-02-26) figures 2, 3 page 7, line 22 - line 24 -----	1-5
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	-/-	

☒ 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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2016/080205

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 2016/134899 A1 (BAYERISCHE MOTOREN WERKE AG [DE]) 1 September 2016 (2016-09-01) figure 1 -----	1-5
X,P	DE 10 2014 011596 A1 (AUDI AG [DE]) 4 February 2016 (2016-02-04) figures 2-4 -----	1,8,10
E	WO 2017/001156 A1 (BAYERISCHE MOTOREN WERKE AG [DE]) 5 January 2017 (2017-01-05) figures 2a-2d -----	1-5
X	US 8 260 482 B1 (SZYBALSKI ANDREW [US] ET AL) 4 September 2012 (2012-09-04) figures 2, 5, 10 column 6, line 63 - column 7, line 59 -----	1,11

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2016/080205

Box No. 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 No. 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 fees, this Authority did not invite payment of additional fees.
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.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

Operating device with autonomous drive operation mode.

2. claim: 11

Automobile with an operating device with autonomous drive operation mode and sensors monitoring if operator contacts the driving wheel.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/080205

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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