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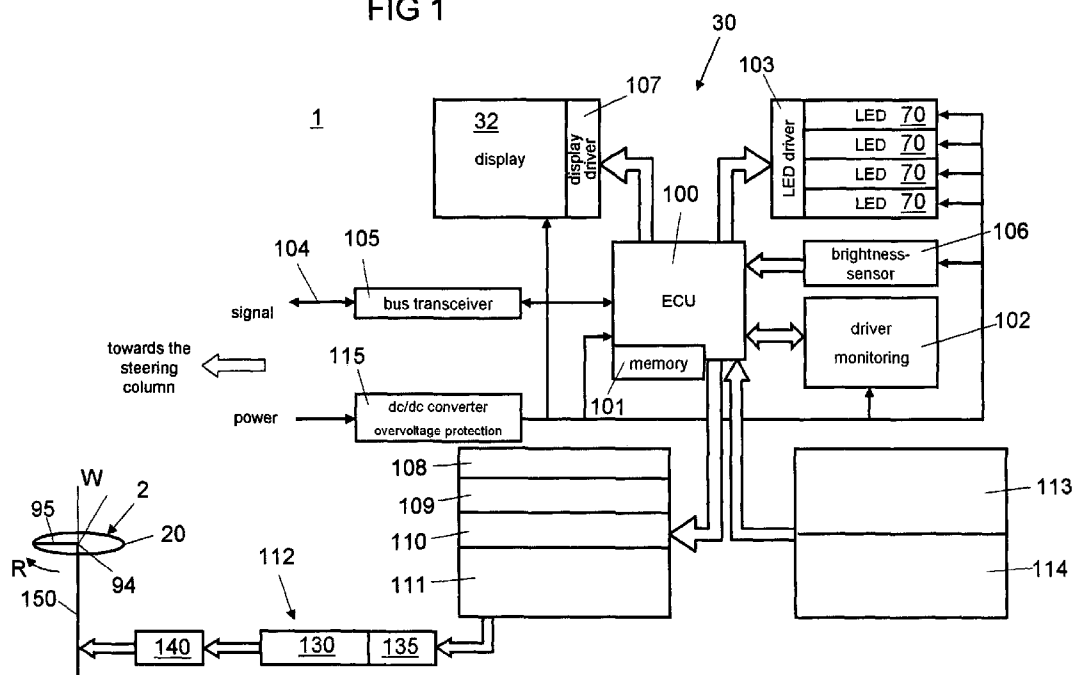
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[Continued on next page]

- (54) Title:** STEERING WHEEL ASSEMBLY FOR A MOTOR VEHICLE

FIG 1



- (57) Abstract:** Steering wheel assembly (1) for a motor vehicle having a steering wheel (2) for steering the motor vehicle, at least one vehicle component (30, 111) that is to be arranged at the steering wheel (2), and a control unit (100) for controlling the at least one vehicle component (30, 111). The control unit (100) is arranged in the steering wheel (100).



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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
 INV. B62D5/04 B62D1/04

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)
 B62D B60K

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

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001 055149 A (TOYODA GOSEI KK) 27 February 2001 (2001-02-27) the whole document paragraphs [0017] - [0022]; figures 1,6,7	1,3,16, 17,22,30
A	-----	2
X	US 2001/007294 A1 (NIGRIN ANKE [DE] ET AL NIGRIN ANKE [DE] ET AL) 12 July 2001 (2001-07-12) the whole document paragraph [0019]; figure 4 -----	1-3,16, 17,22,30
	-/--	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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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

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G document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/076903 A (TAKATA PETRI AG [DE]; PROST-FIN MARC [DE]; KEUDEL FREDERIKE [DE]; NEUM) 27 July 2006 (2006-07-27) abstract claims 1,3-8,10-12,14,15,21,26,28,30,32-36,39-41; figures 1-3,8,9	1-3,16, 17,22,30
X	WO 2007/009420 A (TAKATA PETRI AG [DE]; MARKFORT DIETER [DE]) 25 January 2007 (2007-01-25)	1-5,9,22
Y A	abstract claims 1-5,7-11,13,14; figures 1-4,7,-13 page 6, paragraph 1 - page 7, paragraph 3	6-8 6-8
X	WO 00/34105 A (DELPHI TECH INC [US]) 15 June 2000 (2000-06-15)	1-3, 16-18, 22, 24-27, 30-32, 34,37,38
Y	the whole document	6-8
X	DE 101 13 493 A1 (BAYERISCHE MOTOREN WERKE AG [DE]) 26 September 2002 (2002-09-26) the whole document	1,2,35, 36
X	DE 200 14 731 U1 (R D I DEUTSCHLAND AUTOTEILE & [DE]) 17 January 2002 (2002-01-17)	1,2,18, 22, 30-33, 37,38
A	abstract; figures 1,2 page 3, paragraph 2 page 4, paragraphs 2,3 page 5, paragraph 3 - page 7, paragraph 3 page 7, paragraph 5 - page 8, paragraph 4 page 9, paragraph 3 - page 11, paragraph 1	3,24-26, 34
X	DE 102 41 267 A1 (KOLBERT DIETER [DE]; KOLBERT KLAUS [DE]) 18 March 2004 (2004-03-18) the whole document	1,2,16, 17,35,36

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2008/007335

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 allsearchable 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.:
1-9, 16-18, 22, 24-27 and 30-38
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: 1-3, 16, 17, 22 and 30

A steering wheel assembly with a component controlled by a control unit arranged in a steering wheel

2. claims: 1 + (4-9)

A steering wheel assembly with an actuator for a superposition steering system

3. claims: 1 + (10-15)

A steering wheel assembly with a display device

4. claims: 1 + (18, 31, 37)

A steering wheel assembly with a bus

5. claims: 1 + (19-21)

A steering wheel assembly with memory means

6. claim: 1 + 23

A rim composition in a steering wheel assembly

7. claims: 1 + (24-27)

A steering wheel assembly with a circuit board supporting components

8. claims: 1 + (28, 29)

A steering wheel assembly with a heat sink / heat dissipation

9. claims: 1 + (32-36)

A steering wheel assembly with a sensor / monitoring device

10. claim: 1 + 38

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A steering wheel assembly with diagnose and/ or data safety
monitoring

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2008/007335

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