



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 87 95 02

**Classification of the application (IPC):**  
F02D 41/00, F02D 13/02, F02D 41/24, F02D 13/04, F02B 37/12

**Technical fields searched (IPC):**  
F01L, F02D, F02B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	WO 2013109249 A1 (RICART-UGAZ LAURA ET AL.) 25 July 2013 (2013-07-25) * abstract *; figures 1-4 * * paragraphs [0040] - [0048] *	1-18
A	US 2009018751 A1 (BUCKLAND JULIA HELEN; JANKOVIC MRDJAN J) 15 January 2009 (2009-01-15) * abstract *; figures 1-4 * * paragraphs [0019], [0024], [0037] - [0044], [0060] - [0063], [0078] - [0082] *	1-18
A	US 2019024576 A1 (VAN NIEUWSTADT MICHIEL J ET AL) 24 January 2019 (2019-01-24) * abstract *; figures 1-3,6,8 * * paragraphs [0023], [0026], [0041], [0102] - [0105] *	1-18
A	EP 2208877 A1 (TOYOTA JIDOSHA KK) 21 July 2010 (2010-07-21) * abstract *; figures 1-4,7-13 * * paragraphs [0051] - [0061], [0088] - [0108] *	1-18
A	WO 2010058082 A1 (WÄRTSILÄ FINLAND OY; JAERVI ARTO ET AL.) 27 May 2010 (2010-05-27) * abstract *; figures 1,3,5 * * page 3, line 8 - page 4, line 4 * * page 15, line 8 - page 4, line 4 *	1-18
A	US 2009094978 A1 (YAMAGATA NAOYUKI ET AL) 16 April 2009 (2009-04-16) * abstract *; figures 1,2,17, 22,23 * * paragraphs [0190] - [0210], [0216] - [0226] *	1-18

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 18 October 2023	Examiner Döring, Marcus
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### CATEGORY OF CITED DOCUMENTS

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Application number:  
EP 20 87 95 02

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	EP 1233151 A2 (MAZDA MOTOR CORPORATION) 21 August 2002 (2002-08-21) * abstract *; figures * * paragraphs [0029], [0039] - [0058], [0060], [0061], [0063] - [0066] *	1-18
A	EP 1223321 A2 (HITACHI, LTD) 17 July 2002 (2002-07-17) * abstract *; figures 2,19,22, 23 * * paragraphs [0136], [0160] - [0166] *	1-18

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 18 October 2023	Examiner Döring, Marcus
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X: particularly relevant if taken alone	P: intermediate document
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A: technological background	E: earlier patent document, but published on, or after the filing date
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**ANNEX TO SUPPLEMENTARY EUROPEAN  
SEARCH REPORT**

 Application number:  
EP 20 87 95 02

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 18-10-2023  
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