



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 92 79 20

Classification of the application (IPC):  
**F25B 1/00**

Technical fields searched (IPC):  
F25B

| DOCUMENTS CONSIDERED TO BE RELEVANT |  |                   |
|-------------------------------------|--|-------------------|
| Category                            | Citation of document with indication, where appropriate, of relevant passages                            | Relevant to claim |
| X                                   | JP 2007040606 A (DENSO CORP) 15 February 2007 (2007-02-15)   | 1, 2, 4, 8, 10    |
| Y                                   | * paragraphs [0002] - [0010] *   | 3, 5, 7           |
| A                                   | * paragraphs [0075] - [0102]; figures 7-12 *   | 6, 9              |
| Y                                   | JP 2008128517 A (FUJITSU GENERAL LTD) 05 June 2008 (2008-06-05)<br>* paragraph [0006] *                  | 3, 7              |
| Y                                   | JP 2000002468 A (MATSUSHITA ELECTRIC IND CO LTD)<br>07 January 2000 (2000-01-07)<br>* paragraph [0014] * | 3, 7              |
| Y                                   | JP 6171468 B2 (FUJITSU GENERAL LTD) 02 August 2017 (2017-08-02)<br>* paragraph [0004] *                  | 5                 |

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

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|---------------------------|---|------------------------------|
| Place of search<br>Munich | Date of completion of the search<br>04 March 2024 | Examiner<br>Weisser, Meinrad |
|---------------------------|---|------------------------------|

### CATEGORY OF CITED DOCUMENTS

|   |  |
|---|--|
| X: particularly relevant if taken alone   | P: intermediate document   |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention                        |
| A: technological background   | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure   | D: document cited in the application                                   |
| & : member of the same patent family, corresponding document                    | L: document cited for other reasons                                    |

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 92 79 20

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 04-03-2024  
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| Patent document cited<br>in search report | Publication<br>date | Patent family<br>member(s)       | Publication<br>date      |
|---|---------------------|----------------------------------|--------------------------|
| JP 2007040606 A                           | 15-02-2007          | JP 4525515 B2<br>JP 2007040606 A | 18-08-2010<br>15-02-2007 |
| JP 2008128517 A                           | 05-06-2008          | NONE                             |                          |
| JP 2000002468 A                           | 07-01-2000          | NONE                             |                          |
| JP 6171468 B2                             | 02-08-2017          | JP 6171468 B2<br>JP 2014190649 A | 02-08-2017<br>06-10-2014 |