

Title (en)  
ACCUMULATOR

Title (de)  
AKKUMULATOR

Title (fr)  
ACCUMULATEUR

Publication  
**EP 4130479 A4 20230823 (EN)**

Application  
**EP 21776677 A 20210325**

Priority  
• JP 2020056169 A 20200326  
• JP 2021012627 W 20210325

Abstract (en)  
[origin: EP4130479A1] There is the issue of large vibrations of an accumulator. An accumulator (10) includes a main body casing (15), a first outlet pipe (14a), a second outlet pipe (14b), and a coupling portion (13). The main body casing (15) includes an upper body portion (16) and a lower body portion (18). The first outlet pipe (14a) and the second outlet pipe (14b) penetrate through the lower body portion (18) from the main body casing (15) and extend toward the first compression unit and the second compression unit, respectively. The coupling portion (13) is coupled to an upper end (14a1) of the first outlet pipe (14a) and an upper end (14b1) of the second outlet pipe (14b). A joining portion (13a) of the coupling portion (13) joins the refrigerants flowing upward through the first outlet pipe (14a) and the second outlet pipe (14b). The extension portion (13b) of the coupling portion (13) has a tubular shape extending upward from the joining portion (13a).

IPC 8 full level  
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CPC (source: EP)  
**F04C 23/008** (2013.01); **F04C 29/06** (2013.01); **F04C 29/12** (2013.01); **F25B 43/006** (2013.01); **F04C 18/356** (2013.01); **F04C 23/001** (2013.01); **F04C 2240/804** (2013.01); **F04C 2240/806** (2013.01); **F04C 2270/12** (2013.01); **F04C 2270/13** (2013.01); **F25B 2400/07** (2013.01); **F25B 2500/18** (2013.01)

Citation (search report)  
• [X] KR 200382995 Y1 20050428  
• [X] JP H0267473 A 19900307 - TOSHIBA CORP  
• [X] JP 2019138484 A 20190822 - TOSHIBA CARRIER CORP  
• [X] JP H0560080 A 19930309 - MATSUSHITA ELECTRIC IND CO LTD  
• See also references of WO 2021193840A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 4130479 A1 20230208; EP 4130479 A4 20230823; JP 2021156197 A 20211007; JP 7244170 B2 20230322; WO 2021193840 A1 20210930**

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