

Title (en)  
COMPRESSOR AND COMPRESSOR SYSTEM

Title (de)  
VERDICHTER UND VERDICHTERSYSTEM

Title (fr)  
COMPRESSEUR ET SYSTÈME DE COMPRESSION

Publication  
**EP 4187090 A4 20240103 (EN)**

Application  
**EP 21864239 A 20210827**

Priority  
• JP 2020148523 A 20200903  
• JP 2021031462 W 20210827

Abstract (en)  
[origin: EP4187090A1] A compressor according to an embodiment includes: a discharge valve; a discharge space formed downstream of the discharge valve; a liquid injection hole for injecting a refrigerant liquid into the discharge space; and a heat medium flow path located opposite to the discharge space across a partition wall forming the discharge space.

IPC 8 full level  
**F04B 39/06** (2006.01); **F04B 27/053** (2006.01); **F04B 35/01** (2006.01); **F04B 35/04** (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01); **F04B 41/06** (2006.01); **F04B 53/08** (2006.01)

CPC (source: EP US)  
**F04B 35/01** (2013.01 - EP); **F04B 35/04** (2013.01 - EP US); **F04B 39/0238** (2013.01 - EP); **F04B 39/0246** (2013.01 - EP); **F04B 39/0261** (2013.01 - EP); **F04B 39/0284** (2013.01 - EP); **F04B 39/06** (2013.01 - EP); **F04B 39/062** (2013.01 - EP US); **F04B 39/064** (2013.01 - EP US); **F04B 39/1066** (2013.01 - US); **F04B 39/123** (2013.01 - EP); **F04B 39/125** (2013.01 - EP US); **F04B 41/06** (2013.01 - EP); **F04B 53/08** (2013.01 - EP); **F04B 53/18** (2013.01 - US); **F25B 31/002** (2013.01 - US); **F25B 31/006** (2013.01 - US); **F04B 27/0538** (2013.01 - EP)

Citation (search report)  
• [XYI] US 2011203304 A1 20110825 - SATO HIDEAKI [JP], et al  
• [YA] JP S5026405 U 19750326  
• [A] JP S4929504 U 19740314  
• See also references of WO 2022050181A1

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 4187090 A1 20230531**; **EP 4187090 A4 20240103**; CN 116134224 A 20230516; JP 2022042876 A 20220315; JP 7517915 B2 20240717; KR 20230042348 A 20230328; TW 202212698 A 20220401; US 2023296091 A1 20230921; WO 2022050181 A1 20220310

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