

Title (en)  
FLUID MACHINE DEVICE

Title (de)  
FLUIDMASCHINENVORRICHTUNG

Title (fr)  
DISPOSITIF DE MACHINES À FLUIDE

Publication  
**EP 4039978 A4 20230906 (EN)**

Application  
**EP 20871851 A 20200827**

Priority  
• JP 2019181202 A 20191001  
• JP 2020032420 W 20200827

Abstract (en)  
[origin: EP4039978A1] A fluid machine device includes a plurality of fluid machines that discharge a fluid; a worn state detection unit that detects a worn state of the fluid machine; a pressure detection unit that measures a pressure from the fluid machines; and a control unit that controls the plurality of fluid machines. The control unit determines whether or not there is the fluid machine that is worn, and performs control to start operation of the fluid machine that is not worn when the pressure is insufficient.

IPC 8 full level  
**F04B 41/06** (2006.01); **F04B 23/04** (2006.01); **F04B 49/02** (2006.01); **F04B 49/06** (2006.01); **F04B 49/08** (2006.01); **F04B 49/10** (2006.01); **F04B 51/00** (2006.01); **F04C 18/02** (2006.01); **F04C 23/00** (2006.01); **F04C 28/28** (2006.01)

CPC (source: CN EP US)  
**F04B 23/04** (2013.01 - EP US); **F04B 41/06** (2013.01 - EP US); **F04B 49/02** (2013.01 - EP); **F04B 49/022** (2013.01 - CN US); **F04B 49/065** (2013.01 - EP US); **F04B 49/08** (2013.01 - EP); **F04B 49/10** (2013.01 - CN EP US); **F04B 51/00** (2013.01 - CN EP US); **F04C 18/0207** (2013.01 - EP); **F04C 23/001** (2013.01 - EP US); **F04C 28/28** (2013.01 - EP); **F04B 35/04** (2013.01 - US); **F04B 2201/0801** (2013.01 - EP); **F04B 2203/0201** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP US); **F04C 2270/02** (2013.01 - EP); **F04C 2270/07** (2013.01 - EP); **F04C 2270/12** (2013.01 - EP); **F04C 2270/13** (2013.01 - EP); **F04C 2270/18** (2013.01 - EP); **F04C 2270/19** (2013.01 - EP); **F04C 2270/80** (2013.01 - EP)

Citation (search report)  
• [IY] JP 2007120497 A 20070517 - HITACHI LTD  
• [Y] JP H1063301 A 19980306 - NEW COSMOS ELECTRIC CO  
• See also references of WO 2021065266A1

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 4039978 A1 20220810**; **EP 4039978 A4 20230906**; CN 114127422 A 20220301; CN 114127422 B 20230616; JP 2021055648 A 20210408; US 2022252065 A1 20220811; WO 2021065266 A1 20210408

DOCDB simple family (application)  
**EP 20871851 A 20200827**; CN 202080051025 A 20200827; JP 2019181202 A 20191001; JP 2020032420 W 20200827; US 202017626031 A 20200827