

Title (en)
Device for moving a fluid

Title (de)
Vorrichtung zum Bewegen eines Fluids

Title (fr)
Dispositif destiné à déplacer un fluide

Publication
EP 2520805 A3 20141119 (DE)

Application
EP 12163733 A 20120411

Priority
DE 102011075097 A 20110502

Abstract (en)
[origin: EP2520805A2] The fluid moving apparatus has a moving component (102) to distribute the fluid. A rotary or linear synchronous motor comprises a stator with stator coil (103), and a rotor with a rotor magnet (104). The moving component is directly driven by the synchronous motor. A frequency converter is provided for actuating the synchronous motor.

IPC 8 full level
F04D 13/06 (2006.01); **F04D 29/22** (2006.01); **F04D 29/24** (2006.01)

CPC (source: EP US)
F04D 13/064 (2013.01 - EP US); **F04D 29/2205** (2013.01 - EP US); **F04D 29/2261** (2013.01 - EP US); **F04D 29/24** (2013.01 - EP US)

Citation (search report)

- [X1] US 6053705 A 20000425 - SCHOEB RETO [CH], et al
- [X1] US 3708251 A 19730102 - PIERRO J
- [X1] JP H08322194 A 19961203 - AGENCY IND SCIENCE TECHN
- [X1] WO 02088547 A2 20021107 - BERLIN HEART AG [DE], et al
- [X1] JP H08144987 A 19960604 - EBARA CORP
- [X1] US 7780422 B2 20100824 - BERROTH HANSJOERG [DE]
- [X1] EP 1120570 A2 20010801 - NISSHO KK [JP]
- [X1] US 6109887 A 20000829 - TAKURA TOSHIYASU [JP], et al
- [X1] JP 2005030322 A 20050203 - NIDEC SHIBAURA CORP
- [A] US 2005147501 A1 20050707 - CHENG MING-KUN [TW], et al

Cited by
CN107476948A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2520805 A2 20121107; EP 2520805 A3 20141119; BR 102012009804 A2 20160412; CN 102769364 A 20121107;
CN 102769364 B 20150610; DE 102011075097 A1 20121108; US 2013039785 A1 20130214

DOCDB simple family (application)
EP 12163733 A 20120411; BR 102012009804 A 20120426; CN 201210135410 A 20120502; DE 102011075097 A 20110502;
US 201213461887 A 20120502