

Title (en)

EJECTOR AND VACUUM GENERATION DEVICE WITH SAME

Title (de)

EJEKTOR UND VAKUUMERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)

ÉJECTEUR ET DISPOSITIF DE GÉNÉRATION DE VIDE LE COMPORTANT

Publication

EP 3351805 A4 20180822 (EN)

Application

EP 16846258 A 20160831

Priority

- JP 2015184383 A 20150917
- JP 2016075519 W 20160831

Abstract (en)

[origin: EP3351805A1] An ejector (40) includes a nozzle (41) that ejects a first fluid, a suction chamber (42) that sucks a second fluid using a pressure decrease caused by ejection of the first fluid through the nozzle (41), a diffuser (43) that discharges the first fluid ejected through the nozzle (41) and the second fluid sucked into the suction chamber (42) while raising a pressure of the first fluid and the second fluid, and at least one orifice plate (44) located downstream from the diffuser (43).

IPC 8 full level

F04F 5/04 (2006.01); **F04F 5/10** (2006.01); **F04F 5/44** (2006.01)

CPC (source: EP)

F04F 5/04 (2013.01); **F04F 5/10** (2013.01); **F04F 5/44** (2013.01)

Citation (search report)

- [XY] US 5628623 A 19970513 - SKAGGS BILL D [US]
- [XY] WO 2006125191 A2 20061123 - CAPITAL FORMATION INC [US], et al
- [XY] DE 10255472 B3 20040701 - FESTO AG & CO [DE]
- [Y] US 2004089019 A1 20040513 - KAWAMURA SUSUMU [JP], et al
- See references of WO 2017047387A1

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 3351805 A1 20180725; EP 3351805 A4 20180822; WO 2017047387 A1 20170323

DOCDB simple family (application)

EP 16846258 A 20160831; JP 2016075519 W 20160831