

Title (en)
SUPERSONIC EJECTOR WITH ANNULAR CHAMBER

Title (de)
ÜBERSCHALLEJEKTOR MIT RINGFÖRMIGER KAMMER

Title (fr)
EJECTEUR SUPERSONIQUE A CHAMBRE ANNULAIRE

Publication
EP 3737866 B1 20211117 (FR)

Application
EP 19708015 A 20190111

Priority
• FR 1850267 A 20180112
• EP 2019050621 W 20190111

Abstract (en)
[origin: WO2019138032A1] Venturi ejector (1) comprising: - a duct (2) for supplying pressurized fluid extending along a central axis (Oy); - a first expansion chamber (3) connected to the supply duct (2); - a first mixing chamber (4) connected to the expansion chamber (3); - a first suction chamber (5) connected to the mixing chamber (4); - an exhaust chamber (6) connected to the first mixing chamber (4); characterized in that the pressurized fluid penetrates the first expansion chamber in a plurality of directions extending along a plane that is substantially orthogonal to the central axis (Oy). Vacuum generator comprising such an ejector.

IPC 8 full level
F04F 5/20 (2006.01); **F04F 5/46** (2006.01)

CPC (source: EP US)
F04F 5/20 (2013.01 - EP US); **F04F 5/463** (2013.01 - EP US); **F04F 5/466** (2013.01 - EP US)

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)
WO 2019138032 A1 20190718; CN 112005017 A 20201127; CN 112005017 B 20220722; EP 3737866 A1 20201118; EP 3737866 B1 20211117; FR 3076871 A1 20190719; FR 3076871 B1 20210319; US 11680586 B2 20230620; US 2020370569 A1 20201126

DOCDB simple family (application)
EP 2019050621 W 20190111; CN 201980018820 A 20190111; EP 19708015 A 20190111; FR 1850267 A 20180112; US 201916961618 A 20190111