

Title (en)
NOZZLE FOR A DIPHASIC MIXTURE

Title (de)
DÜSE FÜR EINE ZWEI-PHASENMISCHUNG

Title (fr)
DISPOSITIF D'ÉJECTION D'UN MÉLANGE DIPHASIQUE

Publication
EP 2069073 B1 20160113 (FR)

Application
EP 07801913 A 20070827

Priority
• EP 2007007488 W 20070827
• EP 06291557 A 20061004
• EP 07801913 A 20070827

Abstract (en)
[origin: EP1908526A1] The device has an ejection nozzle (EJ) with a geometry comprising a minimal section or neck at a location (X) of an axis-vector (AX). The geometry permits to induce an expansion obtained inside the nozzle permitting a liquid-gas mixture (MLG1) from a distribution chamber to be converted into another mixture (MLG2), according to a flow configuration. The latter mixture has an ejection range and liquid particle size, which are controlled according to a liquid (L1) and gas (G1) mass flow and an absolute pressure at an injection inlet (IN1, IN2).

IPC 8 full level
A62C 31/05 (2006.01); **A62C 99/00** (2010.01); **B05B 3/04** (2006.01); **B05B 3/06** (2006.01); **B05B 7/00** (2006.01); **B05B 7/04** (2006.01)

CPC (source: EP KR US)
A62C 31/02 (2013.01 - KR); **A62C 31/05** (2013.01 - EP US); **A62C 99/0072** (2013.01 - EP US); **B05B 3/04** (2013.01 - KR); **B05B 3/0422** (2013.01 - EP US); **B05B 3/06** (2013.01 - EP KR US); **B05B 7/00** (2013.01 - KR); **B05B 7/0012** (2013.01 - EP US); **B05B 7/0025** (2013.01 - EP US); **B05B 7/0416** (2013.01 - EP US); **B05B 7/0475** (2013.01 - US); **B05B 7/0483** (2013.01 - US); **C21C 5/4606** (2013.01 - US)

Cited by
CN105749463A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
EP 1908526 A1 20080409; CA 2665265 A1 20080410; CA 2665265 C 20121211; EP 2069073 A1 20090617; EP 2069073 B1 20160113; KR 101384012 B1 20140409; KR 20090098788 A 20090917; UA 99264 C2 20120810; US 2010006670 A1 20100114; US 9352340 B2 20160531; WO 2008040418 A1 20080410

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