

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

Designated contracting state (EPC)  
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

DOCDB simple family (application)  
**EP 06291557 A 20061004**; CA 2665265 A 20070827; EP 07801913 A 20070827; EP 2007007488 W 20070827; KR 20097009237 A 20070827; UA A200903212 A 20070827; US 44443207 A 20070827