

Title (en)
Injector nozzle

Title (de)
Injektordüse

Title (fr)
Buse d'injecteur

Publication
EP 0657222 B1 19980211 (DE)

Application
EP 94117615 A 19941108

Priority
DE 4338585 A 19931111

Abstract (en)
[origin: US5615836A] An injector nozzle construction for producing air-filled drops of liquid includes a dosaging nozzle element coupled at its outlet to a mixing chamber provided with an air intake opening for producing a liquid/air mixture which in turn communicates with an outlet element for discharging the mixture. A particularly great uniformity and largely fluctuation-free distribution characteristic of the drops of fluid is achieved by providing between the mixing chamber and the outlet element a homogenizing and stabilizing chamber having an inlet that is substantially greater in cross-sectional size than the outlet of the mixing chamber.

IPC 1-7
B05B 7/04

IPC 8 full level
B05B 1/32 (2006.01); **B05B 7/04** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)
B05B 1/326 (2013.01 - EP US); **B05B 7/0425** (2013.01 - EP US); **B05B 7/0892** (2013.01 - EP US)

Cited by
DE19536220A1; CN102087220A; DE102018221468A1

Designated contracting state (EPC)
AT BE DE DK ES FR GB GR IT LU NL PT SE

DOCDB simple family (publication)
US 5615836 A 19970401; AT E163142 T1 19980215; AU 685512 B2 19980122; AU 7760694 A 19950518; BR 9404568 A 19950620; DE 4338585 A1 19950518; DE 59405256 D1 19980319; DK 0657222 T3 19980923; EP 0657222 A1 19950614; EP 0657222 B1 19980211; ES 2112466 T3 19980401; GR 3026684 T3 19980731; RU 94041755 A 19960920

DOCDB simple family (application)
US 32952894 A 19941026; AT 94117615 T 19941108; AU 7760694 A 19941103; BR 9404568 A 19941110; DE 4338585 A 19931111; DE 59405256 T 19941108; DK 94117615 T 19941108; EP 94117615 A 19941108; ES 94117615 T 19941108; GR 980400882 T 19980416; RU 94041755 A 19941110