

Title (en)
Dosing pump

Title (de)
Dosierpumpe

Title (fr)
Pompe de dosage

Publication
EP 2362101 B1 20130703 (DE)

Application
EP 10001641 A 20100218

Priority
EP 10001641 A 20100218

Abstract (en)
[origin: EP2362101A1] The dosing pump has a suction channel (32) and a pressure channel (20) communicating with a dosing chamber (14), and a popping unit for popping gas bubbles in the suction channel. The popping unit is arranged in the suction channel, where a cross section of the suction channel is expanded for forming the popping unit. A valve (30) has a valve body held in a cage (31), and the smaller cross-section of the suction channel is defined by gaps (33) formed between ribs of the cage and the valve body. The channels are connected with the dosing chamber in an area of external periphery.

IPC 8 full level
F04B 43/067 (2006.01); **F04B 53/06** (2006.01)

CPC (source: EP US)
F04B 43/067 (2013.01 - EP US); **F04B 53/06** (2013.01 - EP US); **Y10T 137/85978** (2015.04 - EP US)

Citation (examination)
WO 2011101118 A1 20110825 - GRUNDFOS MANAGEMENT AS [DK], et al

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2362101 A1 20110831; EP 2362101 B1 20130703; CN 102762861 A 20121031; CN 102762861 B 20160518; JP 2013519831 A 20130530; JP 5784636 B2 20150924; US 2012312399 A1 20121213; WO 2011101121 A1 20110825

DOCDB simple family (application)
EP 10001641 A 20100218; CN 201180009711 A 20110216; EP 2011000724 W 20110216; JP 2012553217 A 20110216; US 201113579677 A 20110216