

Title (en)
APPARATUS AND METHOD FOR DOSING LIQUIDS INTO GAS-FILLED CHAMBERS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM DOSIEREN VON FLÜSSIGKEITEN IN GASGEFÜLLTE RÄUME

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DOSAGE DE LIQUIDES DANS DES ESPACES REMPLIS DE GAZ

Publication
EP 2125225 A1 20091202 (DE)

Application
EP 08708927 A 20080213

Priority
• EP 2008051700 W 20080213
• DE 102007007658 A 20070213
• DE 102007010412 A 20070301

Abstract (en)
[origin: WO2008098947A1] Disclosed is an apparatus for dosing liquids into a gas-filled chamber. Said apparatus comprises a pump (1), a dosing opening (2) for introducing the liquid into the gas-filled chamber, a conduit (3) which connects the pressure side of the pump to the dosing opening, and an elastic liquid reservoir (4). The conduit is fitted with a cut-off valve (5) between the pump (1) and the dosing opening (2). The elastic liquid reservoir (4) is disposed between the pump and the cut-off valve (5). The disclosed apparatus features a first mode of operation in which the pump runs while the cut-off valve is closed in order to store a certain amount of liquid under pressure in the elastic liquid reservoir.

IPC 8 full level
B01L 3/02 (2006.01); **F04B 43/08** (2006.01)

CPC (source: EP US)
B01L 3/0265 (2013.01 - EP US); **F04B 43/084** (2013.01 - EP US); **B01L 2200/0615** (2013.01 - EP US); **B01L 2200/146** (2013.01 - EP US); **B01L 2300/14** (2013.01 - EP US); **B01L 2400/0481** (2013.01 - EP US); **B01L 2400/0655** (2013.01 - EP US)

Citation (search report)
See references of WO 2008098947A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007010412 A1 20080814; **DE 102007010412 B4 20200730**; CN 101600502 A 20091209; CN 101600502 B 20121114; EP 2125225 A1 20091202; US 2010059549 A1 20100311; WO 2008098947 A1 20080821

DOCDB simple family (application)
DE 102007010412 A 20070301; CN 200880003989 A 20080213; EP 08708927 A 20080213; EP 2008051700 W 20080213; US 44945208 A 20080213