

Title (en)
DEVICE FOR DELIVERING MOIST GASES

Title (de)
VORRICHTUNG ZUM FÖRDERN FEUCHTER GASE

Title (fr)
DISPOSITIF POUR CONVOYER DES GAZ HUMIDES

Publication
EP 1278962 B1 20060111 (DE)

Application
EP 01949304 A 20010430

Priority
• DE 10021454 A 20000503
• EP 0104884 W 20010430

Abstract (en)
[origin: WO0183990A1] The invention relates to a multistage device (1) for delivering moist gases. Said device comprises several delivery pumps (2, 3) each of which having a displacer that oscillates inside a delivery space, and being connected in series via a connection channel (6). The inventive device also comprises a ventilation device (7) which has at least one ventilation channel (8), whereby the ventilation channel (8) opens into a connection channel (6) that interconnects series-connected delivery pumps (2, 3). The inventive device (1) is characterized in that a ventilation valve (9), which can be motor-actuated by a control device, is interconnected inside the ventilation channel (8), and said ventilation valve (9) can be actuated as required by means of the control device and independent of the lift position of the displacers.

IPC 8 full level
F04B 37/20 (2006.01); **F04B 27/14** (2006.01); **F04B 37/14** (2006.01); **F04B 45/04** (2006.01)

CPC (source: EP US)
F04B 37/14 (2013.01 - EP US); **F04B 37/20** (2013.01 - EP US); **F04B 45/04** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 0183990 A1 20011108; DE 10021454 A1 20011122; DE 10021454 C2 20020314; DE 50108678 D1 20060406; EP 1278962 A1 20030129; EP 1278962 B1 20060111; US 2003123997 A1 20030703; US 6817839 B2 20041116

DOCDB simple family (application)
EP 0104884 W 20010430; DE 10021454 A 20000503; DE 50108678 T 20010430; EP 01949304 A 20010430; US 27524102 A 20021104