

Title (en)
DEVICE, AND METHOD FOR FEEDING SUBSTANCES

Title (de)
VORRICHTUNG, UND VERFAHREN ZUM FÖRDERN VON STOFFEN

Title (fr)
DISPOSITIF ET PROCEDE DE TRANSPORT DE MATIERES

Publication
EP 1982074 B1 20091209 (DE)

Application
EP 07703136 A 20070130

Priority
• EP 2007000782 W 20070130
• DE 102006005190 A 20060202
• DE 102006007277 A 20060215

Abstract (en)
[origin: WO2007088022A1] The invention relates to a device for pneumatically feeding substances which are capable of flow, having a tank (34, 34_a, 34_b) which is connected at one side to a vacuum line (56) and to a feed gas line (55), using at least one filter (44, 44_a), wherein the container is assigned a supply line (20) and an extraction line (21) for the substance, wherein a device (38, 38_a, 100) for separating liquid and powder, which device (38, 38_a, 100) has a filter element (44, 44_a) and a floating member (50, 50_a) arranged above as a sealing element, is attached in the upper region in a vertically elongated cylindrical pump chamber (34, 34_a, 34_b) for feeding liquids, powders, suspensions and pastes, wherein the pump chamber is connected in its lower region to at least one supply line (20) and to at least one extraction line (12, 21) for liquid and/or powder and/or suspension or paste. The invention also relates to a corresponding method.

IPC 8 full level
F04F 1/02 (2006.01)

CPC (source: EP US)
F04F 1/02 (2013.01 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006007277 A1 20070809; AT E450713 T1 20091215; AT E451555 T1 20091215; CN 101410629 A 20090415; CN 101410629 B 20130508; CN 101469724 A 20090701; CN 101469724 B 20130508; DE 502007002195 D1 20100114; DE 502007002258 D1 20100121; EP 1982074 A1 20081022; EP 1982074 B1 20091209; EP 2019209 A1 20090128; EP 2019209 B1 20091202; US 2009162150 A1 20090625; US 2009180899 A1 20090716; US 8157484 B2 20120417; WO 2007088022 A1 20070809

DOCDB simple family (application)
DE 102006007277 A 20060215; AT 07703136 T 20070130; AT 08018633 T 20070130; CN 200780011434 A 20070130; CN 200910001421 A 20070130; DE 502007002195 T 20070130; DE 502007002258 T 20070130; EP 07703136 A 20070130; EP 08018633 A 20070130; EP 2007000782 W 20070130; US 27827107 A 20070130; US 39283409 A 20090225