

Title (en)
DEVICE FOR DELIVERING THICK MATTER

Title (de)
VORRICHTUNG ZUM FÖRDERN VON DICKSTOFFMATERIAL

Title (fr)
DISPOSITIF DE TRANSPORT DE MATIERE CONSISTANTE

Publication
EP 1917440 B1 20090513 (DE)

Application
EP 06776698 A 20060809

Priority
• EP 2006007868 W 20060809
• DE 102005040014 A 20050823

Abstract (en)
[origin: US8393265B2] A device for conveying a mixture of substances includes a delivery cylinder having perforations and is configured to separate, through the perforations, mixture components from the mixture of substances. A material feed space is connected to an inlet side of the delivery cylinder and delivery line is connected to the outlet side. A delivery piston is reciprocable through the material feed space and the delivery cylinder. A closure member is disposed at the outlet side of the delivery cylinder or in the delivery line and is movable between open and closed positions. A control unit is operable to move the delivery piston and a drive mechanism operable to move the closure member. The control unit is configured to respond to displacement signals of the delivery piston so as to cause a closing movement of the closure member and is configured to respond to output signals of an upstream pressure sensor so as to cause an opening movement of the closure member.

IPC 8 full level
F04B 53/16 (2006.01); **F04B 15/02** (2006.01)

CPC (source: EP KR US)
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DE 102005040014 A1 20070301; AT E431504 T1 20090515; CA 2619711 A1 20070301; CA 2619711 C 20130122; CN 101248274 A 20080820; CN 101248274 B 20100811; DE 502006003734 D1 20090625; DK 1917440 T3 20090706; EP 1917440 A1 20080507; EP 1917440 B1 20090513; ES 2324891 T3 20090818; JP 2009506247 A 20090212; JP 4977706 B2 20120718; KR 20080036207 A 20080425; PL 1917440 T3 20091030; US 2008219870 A1 20080911; US 2011318192 A1 20111229; US 8033214 B2 20111011; US 8393265 B2 20130312; WO 2007022867 A1 20070301

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