

Title (en)
MATERIAL FEED RECEPTACLE FOR A THICK MATTER PUMP

Title (de)
MATERIALAUFGABEBEHÄLTER FÜR EINE DICKSTOFFPUMPE

Title (fr)
CONTENEUR DESTINE AU CHARGEMENT DE MATIERES POUR POMPE A MATIERES HAUTEMENT VISQUEUSES

Publication
EP 1733146 B1 20090930 (DE)

Application
EP 04804015 A 20041217

Priority
• EP 2004014412 W 20041217
• DE 102004015181 A 20040325

Abstract (en)
[origin: WO2005095797A1] The invention relates to a material feed receptacle (20) for a thick matter pump (18) comprising: a receptacle lower part (38) and a receptacle top (40) that is detachably connected to the receptacle lower part (38); a two-part front wall (22); a rear wall (28); two two-part lateral walls (42); an upwardly pointing material feed opening (64) delimited by a peripheral edge (66, 68), and; a pipe junction (34), which is situated inside the receptacle, can, on the entry side, swivel in an alternating manner in front of the delivery cylinder openings (24) and which, on the output side, leads to a pressure pipe (30). The invention provides that the receptacle top (40) has an upper lateral wall part (44) and upper lateral wall parts (46), which have free ends (48) and which extend away from said front wall part. The invention also provides that the peripheral edge (66, 68) has a first edge part (66), which forms an upper edge of the receptacle top (40), and has a second edge part (68) on the receptacle lower part (38), which is situated on the rear wall and is joined to the first edge part (66).

IPC 8 full level
F04B 39/12 (2006.01); **F04B 15/02** (2006.01); **F04B 39/14** (2006.01); **F04B 53/22** (2006.01)

CPC (source: EP KR US)
B01F 27/60 (2022.01 - KR); **B01F 35/00** (2022.01 - KR); **E04G 21/04** (2013.01 - KR); **F04B 7/0026** (2013.01 - EP US); **F04B 15/02** (2013.01 - KR); **F04B 15/023** (2013.01 - EP US); **Y10S 417/90** (2013.01 - EP US); **Y10T 137/7036** (2015.04 - EP US); **Y10T 137/87804** (2015.04 - 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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102004015181 A1 20051013; AT E435976 T1 20090715; AT E444446 T1 20091015; CN 101696686 A 20100421; CN 101696686 B 20130327; CN 101749224 A 20100623; CN 101749224 B 20130206; CN 1926335 A 20070307; DE 502004009739 D1 20090820; DE 502004010179 D1 20091112; EP 1733146 A1 20061220; EP 1733146 B1 20090930; EP 1942276 A2 20080709; EP 1942276 A3 20080730; EP 1942276 B1 20121114; EP 1944511 A1 20080716; EP 1944511 B1 20090708; ES 2327878 T3 20091104; ES 2331702 T3 20100113; JP 2007530826 A 20071101; JP 2008150938 A 20080703; JP 2008180070 A 20080807; JP 4665200 B2 20110406; KR 101178337 B1 20120829; KR 101195277 B1 20121031; KR 101195338 B1 20121029; KR 20070035478 A 20070330; KR 20110138424 A 201111227; KR 20110138425 A 201111227; RU 2006137574 A 20080427; RU 2365783 C2 20090827; US 2007196225 A1 20070823; US 2011168706 A1 20110714; US 7900651 B2 20110308; US 8381771 B2 20130226; WO 2005095797 A1 20051013

DOCDB simple family (application)
DE 102004015181 A 20040325; AT 04804015 T 20041217; AT 08153491 T 20041217; CN 200480042333 A 20041217; CN 200910207997 A 20041217; CN 200910207998 A 20041217; DE 502004009739 T 20041217; DE 502004010179 T 20041217; EP 04804015 A 20041217; EP 08153491 A 20041217; EP 08154300 A 20041217; EP 2004014412 W 20041217; ES 04804015 T 20041217; ES 08153491 T 20041217; JP 2007322050 A 20071213; JP 2007322051 A 20071213; JP 2007504267 A 20041217; KR 20067018350 A 20041217; KR 20117029815 A 20041217; KR 20117029817 A 20041217; RU 2006137574 A 20041217; US 59385804 A 20041217; US 93109011 A 20110124