

Title (en)
PROCESS FOR CONVEYING THICK MATTER CONTAINING PRESHREDDED SCRAP METAL OR SIMILAR SOLIDS.

Title (de)
VERFAHREN ZUM FÖRDERN VON VORZERKLEINERTEN METALLSCHROTT ODER DERGLEICHEN FESTKÖRPER ENTHALTENDEN DICKSTOFFEN.

Title (fr)
PROCEDE PERMETTANT D'ACHEMINER DES MATIERES CONSISTANTES CONTENANT DES DECHETS METALLIQUES PREBROYES OU DES SOLIDES ANALOGUES.

Publication
EP 0681672 A1 19951115 (DE)

Application
EP 94902701 A 19931207

Priority
• DE 4302799 A 19930202
• EP 9303438 W 19931207

Abstract (en)
[origin: DE4341607A1] The plunger (4) delivers the viscous material from a loading chamber (6) fitting closely round it into a transporting cylinder (8). Any solid particles protruding through the cylinder inlet are sheared off by the forward end of the plunger as it passes into the cylinder. There can be a cutting edge round the forward end of the plunger, and the solid particles can be mixed with viscous material or liquid. A rotary movement can be superimposed on the sliding movement of the plunger. Where a predetermined pressure of the medium driving the plunger is exceeded, the latter can be retracted and then thrust forward again.

IPC 1-7
F23G 5/44; **F04B 15/02**

IPC 8 full level
F04B 9/105 (2006.01); **F04B 7/02** (2006.01); **F04B 9/103** (2006.01); **F04B 9/113** (2006.01); **F04B 15/02** (2006.01); **F04B 53/08** (2006.01); **F04B 53/14** (2006.01); **F04B 53/16** (2006.01); **F23G 5/033** (2006.01); **F23G 5/44** (2006.01)

CPC (source: EP US)
F04B 7/0266 (2013.01 - EP US); **F04B 9/1035** (2013.01 - EP US); **F04B 15/023** (2013.01 - EP US); **F04B 53/08** (2013.01 - EP US); **F04B 53/14** (2013.01 - EP US); **F04B 53/164** (2013.01 - EP US); **F23G 5/444** (2013.01 - EP US); **F23G 2203/20** (2013.01 - EP US); **F23G 2205/10** (2013.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/0429** (2015.04 - EP US); **Y10T 83/0448** (2015.04 - EP US); **Y10T 83/0524** (2015.04 - EP US); **Y10T 83/141** (2015.04 - EP US); **Y10T 83/263** (2015.04 - EP US); **Y10T 83/4815** (2015.04 - EP US); **Y10T 83/538** (2015.04 - EP US); **Y10T 83/727** (2015.04 - EP US); **Y10T 83/8858** (2015.04 - EP US); **Y10T 83/9428** (2015.04 - EP US); **Y10T 409/306776** (2015.01 - EP US)

Citation (search report)
See references of WO 9418501A1

Cited by
WO03004875A1; DE10131904A1; DE10131784A1; DE10131903A1; DE102005040014A1; WO03004873A1; US8033214B2; US8393265B2

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