

Title (en)

AN APPARATUS FOR TRANSPORTING PARTICULATE MATERIAL AND A METHOD OF OPERATING SUCH AN APPARATUS

Title (de)

VORRICHTUNG ZUM FÖRDERN VON SCHÜTTGUT UND VERFAHREN ZUM BETRIEB EINER SOLCHEN VORRICHTUNG

Title (fr)

APPAREIL POUR LE TRANSPORT DE SUBSTANCES PARTICULAIRES ET PROCEDE POUR L'OPERATION D'UN TEL APPAREIL

Publication

**EP 0725752 B1 20010131 (EN)**

Application

**EP 94927280 A 19940831**

Priority

- US 9409776 W 19940831
- US 11517393 A 19930831
- US 11517793 A 19930831
- US 11622993 A 19930831

Abstract (en)

[origin: WO9506610A1] An improved apparatus (30) for transporting the metering particulate material (40) including a transport duct (36) having an inlet (32), an outlet (34), and at least one moving surface (31) located therebetween having a downstream facing drive surface. The apparatus further includes drive device for moving the moving surface (31) between the inlet (32) and the outlet (34) towards the outlet, and means for compacting the particulate material sufficiently to cause the formation of a bridge composed of substantially interlocking particulate material (40) spanning the width of the transport duct (36). The apparatus is used to transport and meter particulate material under ambient conditions and against pressure.

IPC 1-7

**B65G 31/04**; **F04D 5/00**; **F04D 7/04**; **F04D 29/42**

IPC 8 full level

**B65G 31/00** (2006.01); **B65G 65/48** (2006.01); **F04D 5/00** (2006.01); **F04D 7/04** (2006.01); **F04D 15/00** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP)

**F04D 5/001** (2013.01); **F04D 7/04** (2013.01); **F04D 15/0083** (2013.01); **F04D 29/4273** (2013.01); **F04D 29/445** (2013.01); **F05B 2230/90** (2013.01); **F05C 2225/04** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9506610 A1 19950309**; AT E199008 T1 20010215; AU 687881 B2 19980305; AU 7677494 A 19950322; BR 9407456 A 19961112; CA 2170272 A1 19950309; CA 2170272 C 20050405; CN 1064922 C 20010425; CN 1129929 A 19960828; DE 69426653 D1 20010308; DE 69426653 T2 20010830; EP 0725752 A1 19960814; EP 0725752 A4 19980415; EP 0725752 B1 20010131; FI 109464 B 20020815; FI 960794 A0 19960221; FI 960794 A 19960329; HU 218761 B 20001128; HU T75450 A 19970528; JP 3659645 B2 20050615; JP H09502152 A 19970304; PL 174204 B1 19980630; PL 313263 A1 19960624; SG 43999 A1 19971114

DOCDB simple family (application)

**US 9409776 W 19940831**; AT 94927280 T 19940831; AU 7677494 A 19940831; BR 9407456 A 19940831; CA 2170272 A 19940831; CN 94193234 A 19940831; DE 69426653 T 19940831; EP 94927280 A 19940831; FI 960794 A 19960221; HU 9600483 A 19940831; JP 50822595 A 19940831; PL 31326394 A 19940831; SG 1996008904 A 19940831