

Title (en)

Lock for transferring a hot powder material

Title (de)

Vorrichtung zur Schleusung eines heissen mehlförmigen Gutes

Title (fr)

Sluice pour transferer d'un matériau pulvérulent chaud

Publication

EP 1329681 B1 20070905 (DE)

Application

EP 03000162 A 20030107

Priority

DE 10200960 A 20020112

Abstract (en)

[origin: EP1329681A1] A shuttle valve (15) includes an upper suspension section (15a) and a lower expandable section (15b) which are rigidly and detachably connected to each other.

IPC 8 full level

F27B 7/20 (2006.01); **B65D 90/54** (2006.01); **B65D 90/62** (2006.01); **F27D 3/00** (2006.01); **F27D 7/02** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP US)

B65D 90/623 (2013.01 - EP US); **F27B 7/2025** (2013.01 - EP US); **F27D 3/0032** (2013.01 - EP US); **F27D 2007/026** (2013.01 - EP US); **F27D 2099/0071** (2013.01 - EP US)

Cited by

CN103813859A; EA025983B1; US9409188B2; WO2013041392A1

Designated contracting state (EPC)

CZ DE DK ES FR

DOCDB simple family (publication)

EP 1329681 A1 20030723; **EP 1329681 B1 20070905**; DE 10200960 A1 20030724; DE 50308091 D1 20071018; DK 1329681 T3 20080121; ES 2292859 T3 20080316; US 2003134248 A1 20030717; US 6652272 B2 20031125

DOCDB simple family (application)

EP 03000162 A 20030107; DE 10200960 A 20020112; DE 50308091 T 20030107; DK 03000162 T 20030107; ES 03000162 T 20030107; US 33996703 A 20030110