

Title (en)
Thick matter pump

Title (de)
Dickstoffpumpe

Title (fr)
Pompe à matières épaisses

Publication
EP 0805272 A3 19980107 (DE)

Application
EP 97111498 A 19950421

Priority
• DE 4414845 A 19940428
• EP 95917350 A 19950421

Abstract (en)
[origin: DE19514750A1] The pump has a hopper (14), two feed cylinders (10) with endface apertures (22) open to the interior of the hopper, and a curved tube (16) able to be turned between the two apertures (22). Its other end is linked to a supply tube (42). There is a cleaning aperture (80) near the end of the feed tube or in a sector outside the hopper. A cleaning cartridge (86) can be connected to the cleaning aperture. This cartridge has a compressed air or water connection (90,92). The feed tube and/or the turning tube can be closed off by a lock (94,96,98) on the feed cylinder side.

IPC 1-7
F04B 15/02

IPC 8 full level
B08B 9/04 (2006.01); **B08B 9/055** (2006.01); **F04B 7/00** (2006.01); **F04B 7/02** (2006.01); **F04B 15/02** (2006.01)

CPC (source: EP US)
B08B 9/053 (2013.01 - EP US); **B08B 9/055** (2013.01 - EP US); **F04B 7/0258** (2013.01 - EP US); **F04B 15/023** (2013.01 - EP US)

Citation (search report)
• [A] EP 0171796 A2 19860219 - LINNHOFF & THESENFITZ MASCH [DE]
• [A] DE 4323796 A1 19940127 - MITSUBISHI HEAVY IND LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 282 (M - 1420) 31 May 1993 (1993-05-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 374 (M - 1160) 20 September 1991 (1991-09-20)

Designated contracting state (EPC)
DE ES IT

DOCDB simple family (publication)
DE 19514750 A1 19951102; DE 59504991 D1 19990311; DE 59510098 D1 20020411; DE 59510099 D1 20020411; EP 0757756 A1 19970212; EP 0757756 B1 19990127; EP 0805272 A2 19971105; EP 0805272 A3 19980107; EP 0805272 B1 20020306; EP 0805273 A2 19971105; EP 0805273 A3 19980107; EP 0805273 B1 20020306; ES 2128725 T3 19990516; ES 2171784 T3 20020916; ES 2171785 T3 20020916; JP H09512321 A 19971209; US 5957675 A 19990928; WO 9530088 A1 19951109

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DE 19514750 A 19950421; DE 59504991 T 19950421; DE 59510098 T 19950421; DE 59510099 T 19950421; EP 9501516 W 19950421; EP 95917350 A 19950421; EP 97111498 A 19950421; EP 97111499 A 19950421; ES 95917350 T 19950421; ES 97111498 T 19950421; ES 97111499 T 19950421; JP 52797095 A 19950421; US 71837496 A 19960927