Title (en)

Device and method for dispensing pasty products

Title (de)

Vorrichtung und Verfahren zum Ausbringen von pastösem Fördergut

Title (fr)

Dispositif et procédé de distribution de produits pâteux

Publication

EP 0976980 A3 20000322 (DE)

Application

EP 99110733 A 19990604

Priority

DE 19833539 A 19980725

Abstract (en)

[origin: EP0976980A2] The dispersal of extruded paste before incineration comprises forming a hollow tube that is shattered by air or steam just before it falls into the incinerator. An extension (14) to a slurry pump delivery pipe (12) transforms the solid extrusion into a hollow tube by forcing it over a conical insert (44) which is held in position by three equally spaced radial arms (38), one of which has a bore (50) through it. The bore allows compressed air or steam to be supplied from a connection (56) to the center of the insert from where it is distributed to four jets (48) at the circumference of the insert in a position just outside the end (30) of the extension. The hollow tube of slurry is then shattered at this point by the air to fall as small pieces into the furnace onto which the flange (34) of the extension is bolted. The bore of the extension is widened in the region (28) of the insert to prevent further compression.

IPC 1-7

F23G 5/44; F23G 7/00

IPC 8 full level

F23G 5/44 (2006.01); **F23G 7/00** (2006.01)

CPC (source: EP)

F23G 5/442 (2013.01); **F23G 7/001** (2013.01)

Citation (search report)

- [X] EP 0606692 A1 19940720 - LAFARGE CORP [US]
- [Y] US 5779523 A 19980714 - MESHER TERRY BERNARD [CA]
- [Y] US 5605174 A 19970225 - SCHLECHT KARL [DE], et al
- [A] EP 0544037 A1 19930602 - SYSTECH ENVIRONMENTAL CORP [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08 30 August 1996 (1996-08-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 004, no. 169 (M - 043) 21 November 1980 (1980-11-21)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 19833539 A1 20000127; DE 59906750 D1 20031002; EP 0976980 A2 20000202; EP 0976980 A3 20000322; EP 0976980 B1 20030827; ES 2205638 T3 20040501

DOCDB simple family (application)

DE 19833539 A 19980725; DE 59906750 T 19990604; EP 99110733 A 19990604; ES 99110733 T 19990604