

Title (en)
Ball mill

Title (de)
Kugelmühle

Title (fr)
Broyeur à boulets

Publication
EP 0794008 B1 20011128 (FR)

Application
EP 97400482 A 19970303

Priority
FR 9602953 A 19960308

Abstract (en)
[origin: EP0794008A1] The coal grinder with a horizontal axis comprises a drum (11) supported by two trunnions (14,15). Rough coal is led through a vertical pipe (6) near to a cylinder (32). A rough coal guide (31) is located under the vertical pipe forcing the coal by gravity into the cylinder, which has a rigid Archimedes screw on its internal surface, and discharges it into the drum. The space (35) between trunnion (15) and the cylinder is connected to a pulverised coal outlet pipe (36) through a separator (33). A principal air supply (30), upstream off the separator, is channelled to the cylinder interior. The separator and outlet channel have controlled additional air supplies (37,38).

IPC 1-7
B02C 17/18

IPC 8 full level
B02C 17/04 (2006.01); **B02C 17/18** (2006.01)

CPC (source: EP US)
B02C 17/1845 (2013.01 - EP US); **B02C 17/187** (2013.01 - EP US); **B02C 17/189** (2013.01 - EP US)

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Designated contracting state (EPC)
DE DK ES GR PT

DOCDB simple family (publication)
EP 0794008 A1 19970910; EP 0794008 B1 20011128; CN 1071143 C 20010919; CN 1162504 A 19971022; DE 69708479 D1 20020110; DE 69708479 T2 20020516; DK 0794008 T3 20020318; ES 2164998 T3 20020301; FR 2745731 A1 19970912; FR 2745731 B1 19980417; PT 794008 E 20020531; RU 2152825 C2 20000720; UA 40654 C2 20010815; US 5873532 A 19990223; ZA 971942 B 19971126

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EP 97400482 A 19970303; CN 97103053 A 19970307; DE 69708479 T 19970303; DK 97400482 T 19970303; ES 97400482 T 19970303; FR 9602953 A 19960308; PT 97400482 T 19970303; RU 97103484 A 19970307; UA 97030965 A 19970304; US 81308997 A 19970307; ZA 971942 A 19970306