

Title (en)
CEREAL FLAKING MILL

Publication
EP 0212882 A3 19880427 (EN)

Application
EP 86305880 A 19860730

Priority
US 76342385 A 19850807

Abstract (en)
[origin: EP0212882A2] A roll mill has a pair of rotatably mounted rolls (14, 16), together with means (30, 32, 34) for driving the rolls in opposite direction, guide means (24) for feeding material to be milled into the nip between the rolls and means beneath the rolls for collecting the milled product. Each roll includes a through shaft (160) on which a set (64, 74) of concentric sleeves are mounted with a spiral coolant flow passage (76) defined between the sleeves. The outer sleeve (74) is of hardened metal and a coolant inlet (110) at one end of the through shaft is in communication with the spiral flow path and a coolant outlet (116) at the other end of the through shaft is similarly in communication with the spiral coolant flow path. Disposed between the shaft and the set of concentric sleeves is nonmetallic expanding aggregate material (68) of lower density than that of either the shaft or the sleeves.

IPC 1-7
B02C 4/44; **B02C 4/30**

IPC 8 full level
B02C 4/06 (2006.01); **B02C 4/30** (2006.01); **B02C 4/44** (2006.01)

CPC (source: EP KR)
B02C 4/00 (2013.01 - KR); **B02C 4/30** (2013.01 - EP); **B02C 4/44** (2013.01 - EP)

Citation (search report)
• [Y] US 3881663 A 19750506 - BROWN ANDREW M
• [Y] DE 957540 C 19570207 - DRAISWERKE GMBH
• [A] FR 1183202 A 19590703 - UNITED STATES PIPE FOUNDRY
• [A] DE 2655925 A1 19780615 - BAUERMEISTER HERMANN MASCHF
• [A] US 4154408 A 19790515 - BOLING JAMES F JR [US]

Cited by
KR200452016Y1; WO2016128274A1; WO0054608A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

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EP 0212882 A2 19870304; **EP 0212882 A3 19880427**; CN 86104859 A 19870401; JP H0657323 B2 19940803; JP S6233553 A 19870213; KR 870001872 A 19870328

DOCDB simple family (application)
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