

Title (en)
METHOD FOR GRINDING ROLL

Publication
EP 0397993 A3 19930113 (EN)

Application
EP 90105460 A 19900322

Priority
JP 12601789 A 19890519

Abstract (en)
[origin: EP0397993A2] The known on-line roll grinding method is improved so as to avoid clogging of grinder, breaking of a grinder corner portion, complication of a grinder construction and buzzing vibration of a grinder. A plurality of grinder holders adapted to press grinders mounted to their tip end portions against a roll surface, are arrayed along the axial direction of the roll within a frame which can reciprocate along the roll axis. The grinders are mounted within the holders with their rotary axes inclined in the axial direction of the roll with respect to normal lines of the roll surface. The rotary axes of the grinders are displaced by a given offset amount H with respect to the rotary axis of the roll. The improvements reside in that an inner diameter dG and an outer diameter DG of the grinder and the offset amount H are chosen so as to fulfil the following formulae: $0.1 \leq H/DG$, and $0.1 \leq dG/DG$. n

IPC 1-7
B21B 28/04; **B24B 5/36**

IPC 8 full level
B24B 5/37 (2006.01); **B21B 28/04** (2006.01); **B24B 5/16** (2006.01)

CPC (source: EP)
B21B 28/04 (2013.01); **B24B 5/167** (2013.01)

Citation (search report)
• [AP] EP 0344610 A2 19891206 - NORITAKE CO LTD [JP], et al
• [A] US 4716687 A 19880105 - TSUKAMOTO HIDEHIKO [JP], et al
• [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 102 (M-576)(2549) 31 March 1987 & JP-A-61 249 609 (MITSUBISHI HEAVY IND LTD) 6 November 1986

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US5954565A; EP0765697A1; DE4422148A1; DE4409060A1; DE4409060C3; CN117697545A; WO9739844A1; US6283823B1; US6306007B1; US6585558B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0397993 A2 19901122; **EP 0397993 A3 19930113**; AU 5230490 A 19901122; AU 609005 B2 19910418; BR 9001481 A 19910416; CN 1018345 B 19920923; CN 1047241 A 19901128; JP H02303612 A 19901217; JP H0675730 B2 19940928

DOCDB simple family (application)
EP 90105460 A 19900322; AU 5230490 A 19900328; BR 9001481 A 19900330; CN 90101798 A 19900330; JP 12601789 A 19890519