

Title (en)
Method and apparatus for roll grinding

Title (de)
Verfahren und Vorrichtung zum Walzenschleifen

Title (fr)
Appareil et procédé de rectification des cylindres

Publication
EP 2253426 A3 20140730 (EN)

Application
EP 10161184 A 20100427

Priority
US 17951809 P 20090519

Abstract (en)
[origin: EP2253426A2] In one aspect, a process for roll grinding employs a grinding wheel that is porous and permeable. In another aspect, a process for grinding mill rolls includes dressing the grinding wheel as the wheel traverses the surface of a mill roll. Other aspects relate to a system, e.g., a mill roll grinding machine, or parts thereof, in which a dressing tool contacts the wheel as the wheel grinds the surface of the mill roll. In specific examples, the wheel and a rotary dressing tool are maintained in contact as the wheel traverses the surface of the mill roll.

IPC 8 full level
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CPC (source: EP US)
B24B 5/167 (2013.01 - EP US); **B24B 5/37** (2013.01 - EP US); **B24B 53/053** (2013.01 - EP US)

Citation (search report)

- [XII] US 5177901 A 19930112 - SMITH RODERICK L [US]
- [XII] US 4555873 A 19851203 - SMITH RODERICK L [US]
- [A] WO 03086703 A1 20031023 - SAINT GOBAIN ABRASIVES INC [US], et al
- [A] WO 2005068099 A1 20050728 - DIAMOND INNOVATIONS INC [US], et al

Cited by
WO2022028871A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 10161184 A 20100427; CA 2762278 A 20100426; CN 201080027979 A 20100426; US 2010032374 W 20100426; US 76720210 A 20100426