

Title (en)
Grinding machine

Title (de)
Schleifmaschine

Title (fr)
Meuleuse

Publication
EP 2319656 A3 20130116 (EN)

Application
EP 10180502 A 20100928

Priority
JP 2009225270 A 20090929

Abstract (en)
[origin: EP2319656A2] In a grinding machine 1 which is provided with: a grinding wheel 4 grinding an outer peripheral surface or an inner peripheral surface of a workpiece W in a substantially cylindrical shape; a worktable 3 supporting the workpiece W in a rotationally drivable manner and having a rotation axis directed in a vertical direction; and a first and a second shoe 5, 6 abutting on the workpiece W to support the workpiece W, there are provided: a moving mechanism capable of moving the first and second shoes 5, 6 in X-axis and Y-axis directions in a horizontal plane; and a controller 20 controlling the moving mechanism so that positions in the two-axial directions of the first and second shoes 5, 6 become predetermined positions.

IPC 8 full level
B24B 5/04 (2006.01); **B24B 5/00** (2006.01); **B24B 5/06** (2006.01); **B24B 5/12** (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP KR)
B24B 5/04 (2013.01 - EP KR); **B24B 5/06** (2013.01 - EP KR); **B24B 5/12** (2013.01 - EP KR); **B24B 41/067** (2013.01 - EP KR);
B24B 51/00 (2013.01 - KR)

Citation (search report)
• [X] US 5213348 A 19930525 - CROSSMAN RICHARD E [US], et al
• [A] EP 0551630 A1 19930721 - TOYODA MACHINE WORKS LTD [JP]
• [A] GB 2017545 A 19791010 - NTN TOYO BEARING CO LTD
• [A] DE 10145673 A1 20021205 - CHIRON WERKE GMBH [DE]

Cited by
WO2021094756A1

Designated contracting state (EPC)
AL 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)
BA ME RS

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JP 2011073082 A 20110414; JP 5416527 B2 20140212; KR 101713202 B1 20170307; KR 20110035919 A 20110406;
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