

Title (en)
Simultaneous grinding machine

Title (de)
Simultanschleifmaschine

Title (fr)
Meuleuse simultanée

Publication
EP 2559518 A3 20170802 (DE)

Application
EP 12005395 A 20120725

Priority
DE 102011110118 A 20110815

Abstract (en)
[origin: EP2559518A2] The simultaneous grinding machine has a workpiece spindle (1), a tailstock (2) and two grinding spindle poles (6,6'), where a shaft (3) is clamped about a central axis in a rotatably drivable manner. The grinding spindle poles are arranged on opposite sides of the shaft, and are mutually offset in the direction of spindle axes (14,14 ') such that rotation surfaces (12) are processed simultaneously. Each of the rotation surface is machined precisely a single grinding wheel (13,13'), where rotation surfaces of two individual grinding wheels are processed simultaneously.

IPC 8 full level
B24B 27/00 (2006.01); **B24B 5/04** (2006.01); **B24B 5/42** (2006.01); **B24B 19/12** (2006.01)

CPC (source: EP US)
B24B 5/42 (2013.01 - EP US); **B24B 19/125** (2013.01 - EP US); **B24B 27/0076** (2013.01 - EP US); **B24D 5/06** (2013.01 - EP US)

Citation (search report)

- [Y] DE 102008026655 A1 20081218 - EMAG HOLDING GMBH [DE]
- [Y] EP 1445066 A1 20040811 - MUHR & BENDER KG [DE]
- [Y] WO 9939872 A1 19990812 - UNOVA I P CORP [US]
- [Y] US 1775004 A 19300902 - STEINER AMOS P

Cited by
CN110370110A; CN108890460A

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DE 102011110118 B4 20150709; JP 2013039664 A 20130228; US 2013045665 A1 20130221

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EP 12005395 A 20120725; CN 201210289720 A 20120815; DE 102011110118 A 20110815; JP 2012177756 A 20120810;
US 201213584941 A 20120814