

Title (en)
VERTICAL ROLLER MILL

Title (de)
VERTIKALES WALZWERK

Title (fr)
BROYEUR À CYLINDRES VERTICAUX

Publication
EP 3159060 A4 20180124 (EN)

Application
EP 14895412 A 20140617

Priority
JP 2014065972 W 20140617

Abstract (en)
[origin: EP3159060A1] This vertical roller mill (1) is provided with a reduction gear (11) which is arranged below a rotary table (2), a vertical transmission shaft (13) for transmitting driving force from the reduction gear (11) to the rotary table (2), an output flange (23) to which an upper end of the vertical transmission shaft (13) is connected at the center portion thereof and which configures a bottom surface of the rotary table (2), a thrust bearing mechanism (27) for slidably supporting a peripheral portion of the output flange (23) from below, and a radial bearing mechanism (38) for restricting movement of the output flange (23) in the radial direction.

IPC 8 full level
B02C 15/04 (2006.01); **B02C 15/00** (2006.01)

CPC (source: EP)
B02C 15/00 (2013.01); **B02C 15/007** (2013.01); **B02C 15/04** (2013.01)

Citation (search report)

- [XY] US 4572442 A 19860225 - SIGG HANS [CH]
- [YA] US 4270704 A 19810602 - CHIELENS ALAIN, et al
- [YA] JP 2001009303 A 20010116 - BABCOCK HITACHI KK
- See references of WO 2015193959A1

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

DOCDB simple family (publication)
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EP 14895412 A 20140617; CN 201480079967 A 20140617; JP 2014065972 W 20140617; JP 2016528680 A 20140617