

Title (en)
VERTICAL ROLLER MILL

Title (de)
VERTIKALES WALZWERK

Title (fr)
BROYEUR À CYLINDRES VERTICAUX

Publication
EP 3238824 A4 20180919 (EN)

Application
EP 15872793 A 20151214

Priority
• JP 2014259383 A 20141222
• JP 2015084962 W 20151214

Abstract (en)
[origin: EP3238824A1] This vertical roller mill is provided with: a rotary table having a grinding surface; a grinding roller (3) for biting and grinding a material between the grinding surface and the same; and a scraper (13) for adjusting a layer thickness of the material supplied to the grinding roller (3). The scraper (13) has: a scraper body (15) separately arranged above the grinding surface of the rotary table; a mobilizing means (16) for allowing the scraper body (15) to move in a direction away from the grinding surface; and a resistance adding means (17) for adding a resistance force to the movement of the scraper body (15) in the direction away from the grinding surface. Even when the layer thickness of the material supplied onto the grinding surface of the rotary table fluctuates, a height position of the scraper is automatically adjusted according to the fluctuation in layer thickness.

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

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

Citation (search report)
• [XY] CN 102302968 B 20130424 - HAO ZHIGANG
• [X] JP H03217251 A 19910925 - UBE INDUSTRIES
• [XY] JP H03254842 A 19911113 - UBE INDUSTRIES
• [A] JP S614549 A 19860110 - KAWASAKI HEAVY IND LTD
• See references of WO 2016104224A1

Cited by
DE102019210047B3; WO2021004757A1

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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DOCDB simple family (application)
EP 15872793 A 20151214; CN 201510969133 A 20151222; CN 201521075743 U 20151222; JP 2014259383 A 20141222; JP 2015084962 W 20151214