Title (en)

RADIAL PRESS

Title (de)

RADIALPRESSE

Title (fr)

PRESSE RADIALE

Publication

EP 4221968 A1 20230809 (DE)

Application

EP 21789637 A 20211004

Priority

- DE 102020125890 A 20201002
- EP 2021077257 W 20211004

Abstract (en)

[origin: WO2022069760A1] A radial press comprises: a base (2); a hollow ring die (8) which is mounted on said base rotatably relative to a press axis (X) and has an inner contour (10), which tapers in the direction of the press axis (X) and is rotationally symmetrical relative to the press axis (X); and a rolling element unit (9) which is rotatable relative to the press axis (X) and has a pressure ring (11), which surrounds the press axis (X), and a plurality of rolling elements (12), which are arranged around the press axis (X) and are rotationally symmetrical in a manner tapering at least in some regions. Said rolling elements are supported axially and rotatably on the pressure ring (11) at a variable distance from the press axis (X) and can roll on the inner contour (10) of the ring die (8). A rotary drive acts on the ring die (8) and/or the rolling element unit (9) and effects the rotation thereof about the press axis (X). A feed drive also acts on the rolling element unit (9) and/or the ring die (8) and effects the axial displacement of the rolling element unit (9) and the ring die (8) relative to each other along the press axis.

IPC 8 full level

B30B 7/04 (2006.01); **B21D 39/04** (2006.01)

CPC (source: EP US)

B21D 39/048 (2013.01 - EP); **B25B 27/10** (2013.01 - EP); **B30B 3/005** (2013.01 - US); **B30B 7/04** (2013.01 - EP US); **B30B 15/026** (2013.01 - US)

Citation (search report)

See references of WO 2022069760A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102020125890 A 20201002; CN 202180078516 A 20211004; EP 2021077257 W 20211004; EP 21789637 A 20211004; US 202318129475 A 20230331