

Title (en)
RADIAL PRESS

Title (de)
RADIALPRESSE

Title (fr)
PRESSE RADIALE

Publication
EP 4135973 B1 20240110 (DE)

Application
EP 21751563 A 20210728

Priority
• DE 102020121143 A 20200811
• EP 2021071137 W 20210728

Abstract (en)
[origin: WO2022033873A1] In a radial press having a first and a second ring structure (2, 3) which extend around a press axis and having a plurality of pressing elements (8), which are disposed around the press axis and are translatably supported on supporting surfaces associated with the ring structures (2; 3), the axial distance of the two ring structures (2; 3) from each other can be changed by means of a hydraulic drive system, which comprises a plurality of hydraulic cylinder-piston units (33) oriented parallel to the press axis and distributed around the press axis, the cylinder (35) of each cylinder-piston unit (33) being coupled to a first of the two ring structures and the piston rod (39) of each cylinder-piston unit being coupled to the second ring structure. At least the supporting surfaces associated with one of the two ring structures (2; 3) are oriented at an inclination with respect to the press axis. An electromechanical rapid adjustment drive (51) comprising a plurality of adjusters (53) is also provided.

IPC 8 full level
B30B 1/40 (2006.01); **B30B 7/04** (2006.01)

CPC (source: EP US)
B30B 1/007 (2013.01 - US); **B30B 1/40** (2013.01 - EP); **B30B 7/04** (2013.01 - EP US); **B30B 15/041** (2013.01 - US); **B30B 15/062** (2013.01 - US); **B30B 15/068** (2013.01 - US)

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)
WO 2022033873 A1 20220217; CN 115835952 A 20230321; CN 115835952 B 20240621; DE 102020121143 A1 20220217; DE 102020121143 B4 20220310; EP 4135973 A1 20230222; EP 4135973 B1 20240110; EP 4135973 C0 20240110; US 2023116737 A1 20230413

DOCDB simple family (application)
EP 2021071137 W 20210728; CN 202180043047 A 20210728; DE 102020121143 A 20200811; EP 21751563 A 20210728; US 202218079601 A 20221212