

Title (en)

RETAINING ASSEMBLY FOR INNER CRUSHING SHELL OF GYRATORY CRUSHER

Title (de)

HALTEANORDNUNG FÜR INNERE ZERKLEINERUNGSSCHALE EINES KREISELBRECHERS

Title (fr)

ENSEMBLE DE RETENUE POUR UNE ENVELOPPE DE BROYAGE INTERNE D'UN BROYEUR GIRATOIRE

Publication

EP 4190453 A1 20230607 (EN)

Application

EP 21211994 A 20211202

Priority

EP 21211994 A 20211202

Abstract (en)

The present disclosure relates to a retaining assembly (102) to secure an inner crushing shell (101) at a shaft-mounted head center (201) of a gyratory crusher. The retaining assembly (102) has a modular construction comprising an inner head nut (203), an inner ring element (208), an outer ring element (207), first fastening members (301) and second fastening members (302) and a cover plate (205). The inner ring element (208) and the outer ring element (207) are rotationally locked together preferably with the help of locking elements (304) which are positioned radially between the two ring elements (207, 208). After the retaining assembly (102) is tightened, the attachment ring (206), upon application of heat, welds the shell (101) to the outer ring element (208).

IPC 8 full level

B02C 2/00 (2006.01); **B02C 2/04** (2006.01)

CPC (source: EP)

B02C 2/005 (2013.01); **B02C 2/04** (2013.01)

Citation (applicant)

WO 2021013329 A1 20210128 - SANDVIK SRP AB [SE]

Citation (search report)

- [A] EP 2929940 A1 20151014 - SANDVIK INTELLECTUAL PROPERTY [SE]
- [AD] WO 2021013329 A1 20210128 - SANDVIK SRP AB [SE]

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)

EP 4190453 A1 20230607; WO 2023099704 A1 20230608

DOCDB simple family (application)

EP 21211994 A 20211202; EP 2022084146 W 20221201