

Title (en)

CRUSHING ROLL OF A ROLL CRUSHER AND METHOD FOR PRODUCING A CRUSHING ROLL

Title (de)

BRECHWALZE EINES WALZENBRECHERS UND VERFAHREN ZUM HERSTELLEN EINER BRECHWALZE

Title (fr)

CYLINDRE BROYEUR D'UN BROYEUR À CYLINDRES ET PROCÉDÉ POUR LA FABRICATION D'UN CYLINDRE BROYEUR

Publication

**EP 3700675 A1 20200902 (DE)**

Application

**EP 18789608 A 20181018**

Priority

- DE 102017219013 A 20171024
- EP 2018078472 W 20181018

Abstract (en)

[origin: CA3079295A1] The invention relates to a crushing roll of a roll crusher having a plurality of crushing plates (10) which form the lateral surface of the crushing roll and a plurality of crushing tools (18) attached to each crushing plate (10), wherein at least one crushing plate (10) is formed from a metal matrix composite which has an anti-wear insert (14) made of a hard metal and/or ceramic. The invention also relates to a method for producing a crushing roll of a roll crusher, wherein the crushing roll has a plurality of crushing plates (10) which form the lateral surface of the crushing roll and the method comprises the following steps: positioning an anti-wear insert (14) made of hard metal and/or ceramic in a casting mould for casting a crushing plate (10) of the crushing roller and casting the crushing plate (10) from a metal matrix material so that the anti-wear insert (14) is at least partially enclosed by the metal matrix material.

IPC 8 full level

**B02C 4/30** (2006.01)

CPC (source: EP)

**B02C 4/305** (2013.01)

Citation (search report)

See references of WO 2019081313A1

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

DOCDB simple family (publication)

**DE 102017219013 B3 20180823**; CA 3079295 A1 20190502; CA 3079295 C 20220531; CN 111263663 A 20200609; CN 111263663 B 20220517; EP 3700675 A1 20200902; EP 3700675 B1 20211201; ES 2904297 T3 20220404; PL 3700675 T3 20220411; PT 3700675 T 20220217; WO 2019081313 A1 20190502

DOCDB simple family (application)

**DE 102017219013 A 20171024**; CA 3079295 A 20181018; CN 201880068991 A 20181018; EP 18789608 A 20181018; EP 2018078472 W 20181018; ES 18789608 T 20181018; PL 18789608 T 20181018; PT 18789608 T 20181018