

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

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Application

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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.

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