

Title (en)

SCREEN SEGMENT HAVING A WEAR PROTECTION AND METHOD FOR PRODUCING A SCREEN SEGMENT

Title (de)

SIEBSEGMENT MIT EINEM VERSCHLEISSSCHUTZ SOWIE VERFAHREN ZUM HERSTELLEN EINES SIEBSEGMENTS

Title (fr)

SEGMENT DE CRIBLAGE MUNI D'ÉLEMENTS DE PROTECTION CONTRE L'USURE ET PROCÉDÉ DE FABRICATION DE CES SEGMENTS

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Application

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Abstract (en)

[origin: CA3069383A1] The present invention relates to a screen segment (10) of a screening device for separating or classifying material to be fed, in particular mineral crushing goods such as oil sand, in at least two particle fractions, wherein the screen segment (10) has a substantially sieve-shaped base plate (12) with a plurality of sieve passages (14), wherein at least one wear protection unit (24) is mounted on the base plate (12), the wear protection unit (24) being formed from a metal matrix composite material having a wear-resistant insert (34) made of a hard metal and/or a ceramic. The invention also relates to a method for producing a screen segment (10) of a screening device for separating or classifying material to be fed, in particular mineral crushing goods such as oil sand, in at least two particle fractions, wherein the screen segment (10) has a substantially sieve-shaped base plate (12) with a plurality of sieve passages (14), said method comprising the steps of: - positioning a wear-resistant insert (34) of a hard metal or a ceramic in a casting mold for casting a wear protection unit (24), - casting the wear protection unit (24) so that the wear protection insert (34) is at least partially enclosed by the casting material of the wear protection unit (24), and - attaching the wear-resistant insert (34) to the base plate (12).

IPC 8 full level

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