

Title (en)

PRESS ROLLER ANNULAR CASING AND METHOD FOR PRODUCTION THEREOF

Title (de)

PRESSWALZEN-RINGBANDAGE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

GARNITURE ANNULAIRE POUR ROULEAUX PRESSEURS ET PROCEDE POUR REALISER LADITE GARNITURE

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Application

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Abstract (en)

[origin: WO2006027215A1] According to the invention, an annular casing for the press rollers of roller presses for the pressure comminution of particulate material, the outer surface of which has a permanently high degree of hardness and thus high wear resistance, the radially inner region of which however has a lower hardness to avoid casing fractures may be achieved, whereby the material of the casing (10, 11) is made from nodular cast iron, with at least the alloying elements Ni and Mo and a bainitic structure with residual austenite and the boundary layer (11) of the annular casing (10) contains martensite to achieve a self-hardening surface which is constantly renewed by external pressure loading of the casing surface on operating the press roller.

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