

Title (en)

ROLLER PRESSES, IN PARTICULAR FOR CRUSHING STRONGLY ABRASIVE SUBSTANCES.

Title (de)

WALZENPRESSEN, INSBESONDERE ZUM ZERKLEINERN VON STARK ABRASIVEN STOFFEN.

Title (fr)

PRESSES A ROULEAUX, NOTAMMENT POUR BROIER DES SUBSTANCES FORTEMENT ABRASIVES.

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9503126A1] A roller press, in particular for processing strongly abrasive substances, has at least two pressing rollers provided each with a wearing coat arranged on a base body. The wearing coat has substantially flat areas made of a highly wear-resistant material whereas the spaces between the highly wear-resistant areas are filled with a material having a different wear resistance. In addition, the material that fills the intermediate spaces is a sinterable composite material and the highly wear-resistant areas are formed of hard bodies produced by high-temperature isostatic pressing. The material that fills the intermediate spaces and the material of the wear-resistant areas are secured to the base body by a high-temperature isostatic pressing process. The wear resistance of the composite material is slightly higher or lower than the wear-resistance of the hard bodies, according to the desired profile to be obtained by wearing. Also disclosed is a process for producing said wearing coat.

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Citation (search report)

See references of WO 9503126A1

Cited by

EP1077087A1; DE102012102192B4; CN103619481A; DE102013110893B4; EP2239058A3; DE102013110893A1; US6523767B1; DE102012102199A1; WO2013135540A1; DE102013107798A1; US7510135B2; DE102012102192A1; WO2013135425A1; EP2239058B1

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