

Title (en)

METHOD AND DEVICE FOR REMOVING AND/OR BREAKING OUT COATINGS OR AREAS OF UNDERSURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABTRAGEN UND/ODER HERAUSBRECHEN VON SCHICHTEN BZW. BEREICHEN AUS UNTERGRÜNDE

Title (fr)

PROCEDE ET DISPOSITIF POUR ENLEVER ET/OU OTER EN LES BRISANT DES COUCHES OU DES ZONES SITUEES DANS DES SUBSTRATS

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Application

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Abstract (en)

[origin: WO9963291A1] The invention relates to a method and a device for removing and breaking out coatings or areas of undersurfaces, for example surface- and edge-milling for reprocessing gutters, moulds, ladles, Bessemer converters and slag-collecting vessels, for cleaning electric furnaces and for removing contaminated waste and contaminated coatings in asbestos cleaning. Axially parallel drums (9) which rotate in opposite directions and are each driven directly by a hydraulic drive mechanism (21) are used. The chippers (13) of said drums (9), which rotate with them, engage one after the other on a helical line (E-E; F-F), slightly laterally offset. As the individual drums rotate in opposite directions they are both subjected to a controlled rotational movement in one direction, about a single, parallel axis (D-D) Said axis is parallel to the axes of rotation of the individual drums. The chippers (13) are distributed in such a way on the helixes, which extend in opposite directions, that no axial power components come into play upon engagement. The drive shaft (20) and the axis of rotation of the hydraulic axle are aligned. The additional unidirectional rotational movement is produced by a hydraulic pivot device which is integrated into the milling head. Said milling head has a rail with which it is fixed to the receptacle of a telescopic arm.

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