

Title (en)

Method and device for removing erosion particles created when a floor or wall surface is treated by a motorised grinder

Title (de)

Verfahren und Einrichtung zum Entfernen von bei der Boden- oder Wandbearbeitung einer Fläche mittels eines motorischen Schleifwerkzeuges anfallenden Abtragpartikeln

Title (fr)

Procédé et dispositif de suppression de particules de dépôt survenant lors du traitement au sol ou au mur d'une surface à l'aide d'un outil de rectification motorisé

Publication

**EP 2481522 A3 20170719 (DE)**

Application

**EP 11191593 A 20111201**

Priority

DE 102011003223 A 20110127

Abstract (en)

[origin: EP2481522A2] The method involves generating a large volume of air flow by a fan (11) of a grinding tool (10). The erosion particles are raised from the surface and conveyed through the grinding tool. The air flow is blown from an outlet opening (12) into a pipe (14) and through the pipe to a filter device (18) attached to the pipe. The filter device is pressurized for filtering the erosion particles. An independent claim is also included for a device for removing erosion particles, such as dust and solid particles generated during floor or wall surface treatment by a motorized grinding tool.

IPC 8 full level

**B24B 7/18** (2006.01); **B24B 23/00** (2006.01); **B24B 55/10** (2006.01)

CPC (source: EP)

**B24B 7/182** (2013.01); **B24B 23/00** (2013.01); **B24B 55/10** (2013.01)

Citation (search report)

- [X] DE 3528611 A1 19870219 - FESTO KG [DE]
- [X] US 3824745 A 19740723 - HUTCHINS A

Cited by

US11419466B2; US11673217B2; US11235433B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2481522 A2 20120801**; **EP 2481522 A3 20170719**; CN 102615596 A 20120801; DE 102011003223 A1 20120802

DOCDB simple family (application)

**EP 11191593 A 20111201**; CN 201210018846 A 20120120; DE 102011003223 A 20110127