

Title (en)

ROTARY GRINDER WITH DUST EXTRACTION-DEVICE

Publication

EP 0215476 B1 19900404 (DE)

Application

EP 86112837 A 19860917

Priority

- DE 3533668 A 19850920
- DE 3537935 A 19851025
- DE 3607106 A 19860305
- DE 3620562 A 19860619

Abstract (en)

[origin: EP0215476A2] Rotary grinder with dust-extraction device, having a grinding disc mounted on an output shaft of the grinder, the dust-extraction device essentially consisting of a bell-shaped dust catcher, which is connected to the grinder, surrounds the grinding disc at the margin and at the grinder and has a dust-discharge passage attached thereto and a ring of bristles forming its bottom margin, and also of a fan, arranged in the bell-shaped dust catcher and rotating with the disc or the output shaft, for producing an air flow for the dust extraction. The rotary grinder is characterised in that a flow-guide body (3) is arranged in the interior between the top side (53) of the grinding disc (5) facing the grinder (7) and the top part (21, 22) of the bell-shaped dust catcher (2), which flow-guide body (3) surrounds at least the top part (53, 54) of the grinding disc (5) at a distance concentrically to its axis of rotation while forming an annular channel (82), the top end (82') of the annular channel (82) being designed as an axial inflow opening for the interior (83) of the top part (21, 22) of the bell-shaped dust catcher (2). <IMAGE>

IPC 1-7

B24B 55/10

IPC 8 full level

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CPC (source: EP)

B24B 55/102 (2013.01)

Cited by

EP0329943A3; CN110465837A; GB2260721A; CN103978466A; CN112984290A; CN109332339A; CN113941925A; GB2392859A; GB2392859B; US5637035A; GB2322581A; GB2322581B; EP0407339A1; FR2872076A1; EP2163356A3; US2012207618A1; US11179825B2; EP3476535A1

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