

Title (en)
ROTARY GRINDER WITH DUST EXTRACTION-DEVICE

Publication
EP 0215476 A3 19880406 (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
B24B 55/10 (2006.01)

CPC (source: EP)
B24B 55/102 (2013.01)

Citation (search report)

- [AD] DE 2542183 A1 19760401 - KUNGALV TRYCKLUFTMASK AB
- [A] DE 1121968 C
- [A] DE 846215 C 19520811 - OPEL ADAM AG
- [A] US 3824745 A 19740723 - HUTCHINS A
- [A] DE 1907729 U 19641231 - LUTZ KG EUGEN [DE]
- [A] DD 44813 A
- [A] DE 7237072 U
- [A] DE 2741325 B2 19790712

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

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0215476 A2 19870325; EP 0215476 A3 19880406; EP 0215476 B1 19900404; DE 3670027 D1 19900510

DOCDB simple family (application)
EP 86112837 A 19860917; DE 3670027 T 19860917