

Title (en)
EXTRACTION APPARATUS

Title (de)
ABSAUGVORRICHTUNG

Title (fr)
APPAREIL D'EXTRACTION

Publication
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Application
EP 02732231 A 20020613

Priority
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Abstract (en)
[origin: WO02100597A1] A machine (10) for performing a working operation such as cutting on a workpiece. The machine (10) has a tool (19) for performing the working operation and a drive motor (13) operable to drive the tool. The drive motor (13) has an exhaust (17) through which an exhaust fluid is discharged during operation. Means (51) are provided for delivering a dust suppression fluid such as water into the vicinity of the tool (19) for suppressing dust generated thereby. A shroud (31) is disposed about the tool (19) for containing dust and the dust suppression fluid, and an extraction line (61) communicates with the shroud (71) for extracting dust and dust suppression fluid contained thereby. The extraction line (61) further communicates with the exhaust (17) of the drive motor (13) for receiving the exhaust fluid discharging therefrom.

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Citation (search report)
• [YA] US 5630682 A 19970520 - DAVEY LESLIE T [CA]
• [Y] DE 3611747 A1 19871022 - MESSERSCHMITT BOELKOW BLOHM [DE]
• [A] DE 19953548 C1 20010315 - ROTTLER MANFRED [DE]
• [A] DE 9011256 U1 19901004
• [PA] US 2001003983 A1 20010621 - IIDA GIICHI [JP], et al
• See references of WO 02100597A1

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