

Title (en)
Drive assembly for a grinder

Title (de)
Antriebsanordnung für eine Schleifvorrichtung

Title (fr)
mécanisme d'entraînement pour une ponceuse

Publication
EP 2561959 A1 20130227 (EN)

Application
EP 11178295 A 20110822

Priority
EP 11178295 A 20110822

Abstract (en)
A drive assembly for a grinder has a housing device (20), a drive device (30), multiple transmission devices (40) and multiple grinding devices (50). The drive device (30) has a motor (31), a driving wheel (32) and a driving band (33) connected with the motor (31) and the driving wheel (32). Each transmission device (40) has a transmission wheel (41,41A), multiple driven wheels (42) and a transmission band (43). Each transmission band (43) is engaged the driven wheels (42) and the transmission wheel (41,41A) engaged the driving band (33). With two-layer arrangement of the bands, the driving band (33) and the transmission bands (43) are not long and can be rotated smoothly to reduce energy waste. Accordingly, the motor's (31) load is greatly reduced, and lifespans of the driving band (33) and the transmission bands (43) are prolonged.

IPC 8 full level
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B24B 7/18 (2013.01); **B24B 27/0076** (2013.01); **B24B 47/12** (2013.01)

Citation (search report)

- [X] DE 202007010059 U1 20071018 - JACOB LOEWER INH VON SCHUMANN [DE]
- [X] EP 1970160 A1 20080917 - HTC SWEDEN AB [SE]
- [A] US 2006026781 A1 20060209 - VAN VLIET JOHANNES P [NL]
- [A] US 7261623 B1 20070828 - PALUSHI SIMON [US]

Cited by
CN107971924A; KR102293991B1; CN106181724A; CN110076663A; US11628533B2; US11440155B2; US11633831B2; US11701751B2

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