

Title (en)  
GRINDING MACHINE TOOL

Title (de)  
SCHLEIFWERKZEUGMASCHINE

Title (fr)  
MACHINE-OUTIL DE MEULAGE

Publication  
**EP 4238696 A1 20230906 (EN)**

Application  
**EP 22159385 A 20220301**

Priority  
EP 22159385 A 20220301

Abstract (en)  
A grinding machine tool (100) comprises a housing (10), a driving assembly (20) disposed in the housing (10), a grinding disc (30) driven by the driving assembly (20), and having a grinding surface (31) and a non-grinding surface (32), a switch (40) driving the driving assembly (20), and a pressing plate (50) disposed on the housing (10) and having a first state in which the switch (40) drives the driving assembly (20) to drive the grinding disc (30) when the pressing plate (50) is operated, and a second state in which the switch (40) stops driving the driving assembly (20) when the pressing plate (50) is not operated. The grinding machine tool (100) has a grinding disc braking structure (60) detached from the non-grinding surface (32) when the pressing plate (50) is in the first state; when the pressing plate (50) is in the second state, the grinding disc braking structure (60) moves toward the non-grinding surface (32) and contacts with the grinding disc (30) to stop the grinding disc (30) from rotating.

IPC 8 full level  
**B24B 23/02** (2006.01); **B24B 23/00** (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP)  
**B24B 23/005** (2013.01); **B24B 23/026** (2013.01); **B24B 23/028** (2013.01); **B24B 23/03** (2013.01); **B24B 23/04** (2013.01)

Citation (applicant)  
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• CN 206393407 U 20170811 - DONGGUAN KAI BAO PREC MACHINERY CO LTD  
• CN 207027181 U 20180223 - POSITEC POWER TOOLS SUZHOU CO LTD  
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• EP 1277544 A2 20030122 - BLACK & DECKER INC [US]  
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Citation (search report)  
• [IA] JP H07171750 A 19950711 - HITACHI KOKI KK  
• [A] DE 102019112556 A1 20201119 - FERROBOTICS COMPLIANT ROBOT TECH GMBH [AT]  
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