

Title (en)  
GRINDING APPARATUS

Title (de)  
SCHLEIFVORRICHTUNG

Title (fr)  
APPAREIL DE MEULAGE

Publication  
**EP 3535094 A4 20200708 (EN)**

Application  
**EP 17818418 A 20170512**

Priority  
• CN 201610962505 A 20161104  
• CN 2017084041 W 20170512

Abstract (en)  
[origin: WO2018082279A1] A grinding apparatus, comprising: a grinding belt cleaning structure. The grinding belt cleaning structure may further comprise a cleaning section (300) at a side of a grinding surface of a grinding belt (100) and a support section (400) at a side of a non-grinding surface of the grinding belt (100) and at a position corresponding to the cleaning section (300). The grinding belt cleaning structure may be located in a non-grinding area of the grinding apparatus. The grinding apparatus may avoid secondary contamination of a substrate caused by dirt and residual adhesive on a surface of the grinding belt (100) and secondary damage of the substrate such as scratches caused by debris embedded in particles of the grinding belt (100).

IPC 8 full level  
**B24B 53/10** (2006.01); **B24B 7/24** (2006.01); **B24B 13/015** (2006.01); **B24B 21/14** (2006.01)

CPC (source: CN EP US)  
**B24B 21/04** (2013.01 - CN); **B24B 21/18** (2013.01 - CN US); **B24B 53/10** (2013.01 - CN EP US)

Citation (search report)  
• [XYI] US 2001019937 A1 20010906 - ELLEDGE JASON B [US]  
• [XY] US 4293970 A 19811013 - BENCENE ROBERT C, et al  
• [XY] US 4720939 A 19880126 - SIMPSON STEVEN C [US], et al  
• [X] US 3753269 A 19730821 - BUDMAN R  
• See references of WO 2018082279A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2018082279 A1 20180511**; CN 108015674 A 20180511; CN 108015674 B 20200331; EP 3535094 A1 20190911; EP 3535094 A4 20200708; US 2018297171 A1 20181018

DOCDB simple family (application)  
**CN 2017084041 W 20170512**; CN 201610962505 A 20161104; EP 17818418 A 20170512; US 201715578422 A 20170512