

Title (en)  
CEILING GRINDER

Title (de)  
DECKENSCHLEIFMASCHINE

Title (fr)  
PONCEUSE POUR PLAFOND

Publication  
**EP 2349642 A1 20110803 (DE)**

Application  
**EP 09749011 A 20091103**

Priority  
• EP 2009007860 W 20091103  
• DE 102008055797 A 20081104

Abstract (en)  
[origin: WO2010051964A1] The invention relates to a ceiling grinder (1) comprising a drive unit (8, 9, 10), a grinding wheel (12), which can be set in rotation by means of the drive unit (8, 9, 10), a grinding head housing (6), which receives the grinding wheel (12) and has an opening (13) allowing the grinding wheel (12) access to the surface to be ground (14), and a holding element for holding the grinder (1). The ceiling grinder (1) also has means for producing a negative pressure within the grinding head housing (6), by which the ceiling grinder (1) is held on the surface to be ground (14), wherein the means for producing the negative pressure comprise lamellar elements, which rotate about the axis of the grinding wheel (12) during the grinding operation of the ceiling grinder (1) and thereby cause within the grinding head housing (6) an air flow that induces a static negative pressure.

IPC 8 full level  
**B24B 7/18** (2006.01); **B24B 23/02** (2006.01); **B24B 55/10** (2006.01); **B24D 13/16** (2006.01)

CPC (source: EP US)  
**B24B 7/18** (2013.01 - EP US); **B24B 7/184** (2013.01 - EP US); **B24B 23/02** (2013.01 - EP US); **B24B 55/102** (2013.01 - EP US); **B24D 13/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010051964A1

Cited by  
US11931851B2

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102008055797 A1 20100506**; CN 102239029 A 20111109; CN 102239029 B 20140820; EP 2349642 A1 20110803; EP 2349642 B1 20160817; US 2011183587 A1 20110728; US 8591292 B2 20131126; WO 2010051964 A1 20100514

DOCDB simple family (application)  
**DE 102008055797 A 20081104**; CN 200980148298 A 20091103; EP 09749011 A 20091103; EP 2009007860 W 20091103; US 201113082925 A 20110408