

Title (en)
GRINDING HEAD

Title (de)
SCHLEIFKOPF

Title (fr)
PORTE-MEULE

Publication
EP 1617971 A1 20060125 (DE)

Application
EP 04720843 A 20040316

Priority
• DE 2004000526 W 20040316
• DE 10317004 A 20030411

Abstract (en)
[origin: WO2004091859A1] The aim of the invention is to provide a simply structured grinding head which is characterized in that the speed of the individual grinding wheels (36) substantially exceeds that of the discoid base (3) carrying them and which can be combined with grinding attachments of a different type, even with grinding attachments of already known types. This aim is attained with the provision of the grinding head of the aforementioned type in that the grinding head is configured from three structural components that can be detached from one another, namely a drive element (1) mounted in a housing, a transmission element (2) and a discoid base (3). The transmission element (2) comprises a center body (15) for coaxially receiving the connection piece (9) so that it can be rotated. The strongly reducing bearing section (18) is disposed radially outside the center body (15) and is fixated on the housing (4) and its strongly reducing part (20) is connected to the radially inner disk body (30) of the discoid base (24) so as to transmit the rotational movement. The disc body (30) is received on a hub (28) so as to be rotated, said hub engaging with a seat (25) of the transmission element (2) in a form fit. A center driver plate (32) is non-rotationally disposed on the hub (28) to drive the grinding wheels.

IPC 1-7
B24B 41/047

IPC 8 full level
B24B 41/047 (2006.01)

CPC (source: EP US)
B24B 41/047 (2013.01 - EP US)

Citation (search report)
See references of WO 2004091859A1

Cited by
DE202010017439U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004091859 A1 20041028; AT E345900 T1 20061215; DE 10317004 A1 20041111; DE 502004002098 D1 20070104;
EP 1617971 A1 20060125; EP 1617971 B1 20061122; ES 2277667 T3 20070716; US 2006199483 A1 20060907

DOCDB simple family (application)
DE 2004000526 W 20040316; AT 04720843 T 20040316; DE 10317004 A 20030411; DE 502004002098 T 20040316; EP 04720843 A 20040316;
ES 04720843 T 20040316; US 55256605 A 20051011