

Title (en)

BELT GRINDER WITH PIVOTABLE GRINDING UNIT AND OPPOSITE SUPPORTING TABLES AT DIFFERENT WORKING HEIGHTS

Title (de)

BANDSCHLEIFVORRICHTUNG MIT SCHWENKBARER SCHLEIFEINHEIT UND EINANDER GEGENÜBERLIEGENDEN AUFLAGETISCHEN AUF UNTERSCHIEDLICHEN ARBEITSHÖHEN

Title (fr)

DISPOSITIF A BANDE DE MEULAGE COMPORTANT UNE UNITE DE MEULAGE PIVOTANTE ET DES PLATEAUX PORTE-PIECES MUTUELLEMENT OPPOSES A DIFFERENTES HAUTEURS DE TRAVAIL

Publication

EP 0827441 B1 20000202 (DE)

Application

EP 96911899 A 19960510

Priority

- CH 9600181 W 19960510
- CH 150495 A 19950522

Abstract (en)

[origin: WO9637339A1] The invention relates to a belt grinder of which the supporting tables (13, 14) are arranged in relation to the grinding unit (11) and hence the grinding belt (12) in such a way that tables need not be adjusted at the same time as the grinding unit is pivoted, while nevertheless the gap (z) between the grinding unit and the edges of the tables remains minimal. Such an arrangement is obtained if the value one minus the cosine of half the maximum pivoting angle (y) multiplied by the direct distance (d) between the tables edges is divided by two and the cosine of half the maximum pivoting angle (y) and gives a result acceptable for practical use and compliance with the standards and safety specifications for the gap (z) between the table edges and the grinding unit.

IPC 1-7

B24B 21/00; **B24B 41/06**; **B24B 27/00**

IPC 8 full level

B24B 21/00 (2006.01); **B24B 27/00** (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP US)

B24B 21/00 (2013.01 - EP US); **B24B 27/0084** (2013.01 - EP US); **B24B 41/068** (2013.01 - EP US)

Cited by

US6361421B1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

WO 9637339 A1 19961128; AT E189421 T1 20000215; DE 59604373 D1 20000309; EP 0827441 A1 19980311; EP 0827441 B1 20000202; US 6361421 B1 20020326

DOCDB simple family (application)

CH 9600181 W 19960510; AT 96911899 T 19960510; DE 59604373 T 19960510; EP 96911899 A 19960510; US 95294797 A 19971117