

Title (en)
Device for supporting and heating of tools

Title (de)
Vorrichtung zum Tragen und Aufheizen von Werkzeugen

Title (fr)
Dispositif de support et de chauffage d'outils

Publication
EP 1468828 B1 20110112 (FR)

Application
EP 04005689 A 20040310

Priority
CH 6842003 A 20030416

Abstract (en)
[origin: EP1468828A2] The device (20) has a base plate (40) applied against one of the two faces of a honeycomb chassis (24) of a cutting and heat transferring machine. The plate is formed from insulating surfaces (21, 23) and a conducting surface (22), which are alternately placed. The plate supplies a heating unit (30) to be inserted in interior of openings (25) of the chassis, to heat a tool (17) fixed against another face of the chassis.

IPC 8 full level
B41F 19/06 (2006.01); **H05B 3/02** (2006.01); **B30B 9/00** (2006.01); **B41F 16/00** (2006.01); **B41F 19/02** (2006.01); **B44B 5/00** (2006.01); **B44C 1/17** (2006.01); **B44C 5/00** (2006.01)

CPC (source: EP KR US)
B41F 16/00 (2013.01 - EP US); **B41F 19/02** (2013.01 - EP US); **B41F 19/068** (2013.01 - EP US); **B44B 5/028** (2013.01 - EP US); **E03F 5/101** (2013.01 - KR); **E03F 5/14** (2013.01 - KR); **B41P 2219/00** (2013.01 - EP US); **B41P 2219/31** (2013.01 - EP US); **B41P 2219/32** (2013.01 - EP US); **B41P 2219/33** (2013.01 - EP US)

Cited by
CN111993770A; CN103097136A; CN102229264A; CN103097137A; KR101453702B1; US8839719B2; US8881649B2; US2023001728A1; WO2012034649A1; WO2012034645A1

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)
EP 1468828 A2 20041020; EP 1468828 A3 20091209; EP 1468828 B1 20110112; AT E495012 T1 20110115; BR PI0401110 A 20050111; CA 2463327 A1 20041016; CN 1332821 C 20070822; CN 1541855 A 20041103; DE 602004030969 D1 20110224; ES 2357835 T3 20110503; JP 2004314175 A 20041111; KR 100542779 B1 20060120; KR 20040090729 A 20041026; TW 200508034 A 20050301; TW I256342 B 20060611; US 2004206254 A1 20041021; US 6892633 B2 20050517

DOCDB simple family (application)
EP 04005689 A 20040310; AT 04005689 T 20040310; BR PI0401110 A 20040413; CA 2463327 A 20040406; CN 200410031009 A 20040405; DE 602004030969 T 20040310; ES 04005689 T 20040310; JP 2004098376 A 20040330; KR 20040026068 A 20040416; TW 93107063 A 20040317; US 82604304 A 20040415