Title (en)

Apparatus for finishing metal surfaces

Title (de)

Vorrichtung zum Endbearbeiten von metallischen Oberflächen

Title (fr)

Dispositif pour la finition de surfaces métalliques

Publication

EP 1097781 A3 20030917 (EN)

Application

EP 00124142 A 20001107

Priority

IT MI992330 A 19991108

Abstract (en)

[origin: EP1097781A2] Apparatus for surface finishing of metal pieces, in particular for satin-polishing extractor hoods (10) and the like. The apparatus comprises a first work unit (17) provided with a rotating brush (18) and a second work unit (14) for supporting the metal piece (10), which can be positioned frontally one in relation to the other. Both work units (14, 17) are movable along respective slide guides (12, 13; 15, 16) in planes at right angles one to the other; each work unit (14, 17) is also provided with three controlled axes (Al, A2, A3; A4, A5, A6), each of which is operatively connected to a control device designed to send reference signals to a programmable process unit (CPU) so as to sequentially orientate each surface (S) of the metal piece (10) along a reference plane, for example parallel to the vertical sliding plane of the work unit (17) for supporting the rotating brush (18), and respectively to move the same brush (18) along two orthogonal axes (A2, A5) parallel to the reference plane, according to a programmed work path (D0-D9). <IMAGE>

IPC 1-7

B24B 27/04; B24B 29/00

IPC 8 full level

B24B 27/04 (2006.01); **B24B 29/02** (2006.01)

CPC (source: EP)

B24B 27/04 (2013.01); **B24B 29/005** (2013.01); **B24B 29/02** (2013.01)

Citation (search report)
- [XY] DE 3916104 A1 19901122 - STAHL HELMUT [DE]
- [Y] US 5368425 A 19941129 - MILLS DANIEL M [US], et al
- [YD] EP 0487460 A1 19920527 - MAPOS ITALIANA [IT]

Cited by

CN106891237A; CN102166729A; GB2381768B; CN107855902A; CN114346875A; CN106363515A; JP2021065877A; CN102909640A; CN104786129A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1097781 A2 20010509; **EP 1097781 A3 20030917**; IT 1314012 B1 20021203; IT MI992330 A0 19991108; IT MI992330 A1 20010508

DOCDB simple family (application)

EP 00124142 A 20001107; IT MI992330 A 19991108