

Title (en)

Storage, handling and transport device for workpieces during a surface treatment

Title (de)

Vorrichtung zur Lagerung, Handhabung und Transport von Bauteilen für eine Oberflächenveredelung

Title (fr)

Dispositif de stockage, de manutention et de transport de pièces lors d'un traitement de surface

Publication

EP 1123881 A3 20040707 (DE)

Application

EP 00124492 A 20001109

Priority

- DE 20001326 U 20000126
- DE 20003609 U 20000226
- DE 20014015 U 20000810

Abstract (en)

[origin: US2001009216A1] An apparatus for positioning, handling and conveying structural parts for a surface finishing of the parts comprises frames arranged successively in a conveying direction, hooks carried by the frames for hanging the structural parts, and devices for maintaining successive ones of the frames in the conveying direction so close to each other that the structural parts hanging on the hooks are locked in position by the successive frames.

IPC 1-7

B05C 13/00; **B05B 13/02**

IPC 8 full level

C23C 2/00 (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP US)

C23C 2/00322 (2022.08 - EP US); **C23C 4/12** (2013.01 - EP US)

Citation (search report)

- [A] US 2196663 A 19400409 - ISELE LOUIS E
- [A] DE 19822786 A1 19991125 - ALFRED R FRANZ FA [DE]
- [A] DE 19537664 A1 19970417 - MIELE & CIE [DE]
- [A] FR 2675483 A1 19921023 - EOTEC [FR]

Cited by

EP1211201A1; CN104399650A; CN104401653A; CN105797896A

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)

US 2001009216 A1 20010726; **US 6564929 B2 20030520**; AT E316425 T1 20060215; CA 2332263 A1 20010726; CA 2332263 C 20060328; CZ 20004368 A3 20010912; CZ 302314 B6 20110302; DE 50012120 D1 20060413; EP 1123881 A2 20010816; EP 1123881 A3 20040707; EP 1123881 B1 20060125; PL 195969 B1 20071130; PL 344538 A1 20010730; SK 18022000 A3 20010806; SK 286318 B6 20080707

DOCDB simple family (application)

US 74261500 A 20001221; AT 00124492 T 20001109; CA 2332263 A 20010125; CZ 20004368 A 20001123; DE 50012120 T 20001109; EP 00124492 A 20001109; PL 34453800 A 20001212; SK 18022000 A 20001128