

Title (en)
Electro-manual smoothing planer

Title (de)
Handhobelmaschine

Title (fr)
Rabot électrique à main

Publication
EP 0878280 A3 20030924 (EN)

Application
EP 98108380 A 19980508

Priority
IT TV970063 A 19970512

Abstract (en)
[origin: EP0878280A2] Portable electro-manual smoothing planer, of the type in which it comprises: two planes for the resting on the surface to be worked (3, 4) of which: a fixed rear resting plane (3) and a movable (1) front (4) resting plane, at least retracted respect to the plane of the first one (3); a tool-holder operating roll (13), placed between said two planes (3, 4), rotatably motorised on horizontal axis transversal respect to the advancement direction by manual thrust of said portable electro-manual smoothing machine (20-19, 9, 16, 8, 7), operator on the surface to be worked, with operating surface substantially around said fixed rear plane (4) a first control main handgrip (2) above said rear resting plane; operation electric control means (12) on said control handgrip (2); a second substantially knob-shaped handgrip (1), above said front resting plane (4), rotatably operable manually, for rotating axial means with resting screw to said front resting plane for lifting or lowering it respect to said rear resting plane (3), characterised in that said tool-holder operating roll (13) is structured for housing in it at least an abrasive coating (22). <IMAGE>

IPC 1-7
B27C 1/10; **B24B 23/02**; **B24D 9/04**

IPC 8 full level
B24B 23/02 (2006.01); **B27C 1/10** (2006.01)

CPC (source: EP)
B24B 23/02 (2013.01); **B27C 1/10** (2013.01)

Citation (search report)

- [XY] DE 3541728 A1 19870527 - FESTO KG [DE]
- [Y] US 4363343 A 19821214 - CUNEO GIUSEPPE
- [Y] US 2540258 A 19510206 - HARRIS THOMAS J
- [Y] US 4601104 A 19860722 - ZAISER ADOLF [DE], et al
- [YX] US 1980056 A 19341106 - HEDEBY HANS U
- [X] WO 9211115 A1 19920709 - MEFFRE OLIVIER [FR]
- [X] US 5024000 A 19910618 - CASAL ANDRE [CH]
- [X] DE 3807878 A1 19881229 - FESTO KG [DE]

Cited by
EP1512506A1; GB2460415A; WO2006062439A1; WO2009060239A3; EP2127830A2; US8136559B2

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