

Title (en)
Planer with abrasive tool

Title (de)
Handhobelmaschine mit Schleifwerkzeug

Title (fr)
Rabot avec outil abrasif

Publication
EP 1512506 B1 20070919 (EN)

Application
EP 04425549 A 20040721

Priority
IT TV20030122 A 20030903

Abstract (en)
[origin: EP1512506A1] Electric tool able to smooth surfaces by means of abrasion made up of: front plate (1) for resting on surfaces adjustable in height able to determine the depth of material to be removed by the abrasive tube (3). Rear plate (2) for resting on surfaces adjustable in height through a mechanism enabling it to work at a tangent, with its own ideal length, to the external diameter of the abrasive tube which will vary according to the grain, the type of abrasive and to the wear during use. This rear plate (2) will have a width equal to or less than the width of the abrasive tube (3) and will be aligned to the abrasive tube in a way that it will slide in the indentation left by the abrasive tube. Interchangeable abrasive roller (3) fitted onto a roller-carrier mechanism placed between the above mentioned plates and powered in its rotation in a transverse horizontal axis in relation to the direction of manual advancement of the machine, the rotational direction being opposite to the manual direction of the machine. Rear handle (4) with switch. Front handle (5) with mechanism for adjusting the front plate. Electric motor (7), will transmit its movement to the operating roller by means of a belt and pulleys, or gears. Point of control (8) of the mechanism to adjust the rear plate. Dust exhaust (9). Body of the machine (10). <??>Mention is also made of a mechanical arrangement for the height adjustment of the rear plate (fig 5) and two mechanical solutions for the locking function between abrasive sleeve and slaveholder roll (fig 6-7). <IMAGE>

IPC 8 full level
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CPC (source: EP)
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