

Title (en)  
HAND PLANER

Title (de)  
HANDHOBELMASCHINE

Title (fr)  
RABOT A MAIN

Publication  
**EP 0977654 B1 20020313 (DE)**

Application  
**EP 98928065 A 19980325**

Priority  
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• DE 19717706 A 19970426

Abstract (en)  
[origin: DE19717706A1] The invention relates to a hand planer (10) with a housing (12) that rotationally lodges a plane shaft (21) having at least one longitudinal slot (46). A plane knife (21), detachably clamped in the longitudinal slot (46), is configured as a mini-turnover board having at least one standard blade and one rear groove (35) for engagement of a supporting rib (37) in the longitudinal slot (46) of the plane shaft (21). This shaft (20) has at least one radial limit stop (50) for positioning the standard blade (22) of the plane knife (21) on an intended circular trajectory. In order to simplify said hand planer (10), the plane knife (21) has only one active blade (22) with troughs (39) and crests (38). The troughs (39) lie on a common first straight line (u) which is the same parallel distance from the rear groove (35) as standard blades of straight mini-turnover boards. The wave crests (38) lie on a second common straight line (o) which runs 0.5 to 1.5 mm above the first straight line (u). The plane knife (21) has a flat bearing edge (36) on the side opposite the first blade (22), which edge rests against the radial limit stop (50) of the plane shaft (20).

IPC 1-7  
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IPC 8 full level  
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