

Title (en)

Depth of cut adjustment mechanism for a power planer.

Title (de)

Spanndicken-Einstellmechanismus für einen kraftangetriebenen Handhobel.

Title (fr)

Mécanisme de réglage de l'épaisseur de copeaux pour un rabot à main motorisé.

Publication

EP 0048304 A2 19820331 (EN)

Application

EP 80105747 A 19800924

Priority

EP 80105747 A 19800924

Abstract (en)

A depth of cut adjustment mechanism for a portable power planer (20) having an adjustable front shoe (30) whose elevational position controls the depth of cut of the tool. An S-shaped rod (40) is fastened at one end to the adjustable front shoe (30) and is threadedly engaged at its other end to an adjustment nut (42) rotatably mounted in a race (44) formed in the housing (22). A control knob (46) having disposed thereon a scale (64) referenced to a mark (62) on the housing (22) is secured to the nut (42) so that rotation of the control knob (46) causes a corresponding adjustment in the elevational position of the front shoe (30). A tension spring (70) is connected between the front shoe (30) and the housing (22) to cancel out inherent tolerance play between the front shoe (30) and the housing (22).

IPC 1-7

B27C 1/10

IPC 8 full level

B27C 1/10 (2006.01)

CPC (source: EP)

B27C 1/10 (2013.01)

Cited by

EP0133814A1; US4762021A; EP0124651A1; US4751234A; US4694735A; DE3441943A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0048304 A2 19820331; EP 0048304 A3 19820818; EP 0048304 B1 19841219; AT E10816 T1 19850115; DE 3069839 D1 19850131

DOCDB simple family (application)

EP 80105747 A 19800924; AT 80105747 T 19800924; DE 3069839 T 19800924