

Title (en)

Portable hand-operated circular saw.

Title (de)

Handkreissäge.

Title (fr)

Scie circulaire portative à moteur pour travail manuel.

Publication

EP 0525438 B1 19950524 (DE)

Application

EP 92111315 A 19920703

Priority

DE 4124233 A 19910722

Abstract (en)

[origin: EP0525438A1] A motor-driven portable circular saw (1, 41), comprising a motor housing (3, 43), a motor arranged therein which is operatively connected to a saw shaft (5, 45) with a saw blade (7, 47) sitting thereon, and a base plate (15, 55) which, for the guided feed of the portable circular saw (1, 41) on a guide rail (21, 61), has a profile (25) at least partly overlapping the guide rail (21, 61) and which is connected in particular in slotted guide plates (31, 71) in such a way that it can be locked and pivoted about a solid pivot (13, 53), parallel to the plane of the saw blade (7, 47) and to the base plate (15, 55), for making bevel or mitre cuts with the portable circular saw (1, 41), the tool engagement line (20, 60) of the saw blade (7, 47) being unintentionally displaced in parallel transversely to the pivot (13, 53) during the pivoting, is designed in such a way that, at the same time as the base plate (15, 55) and the saw blade (7, 47) are pivoted relative to one another, the saw blade (7, 47), with a stroke H proportional to the respective pivoting angle, is displaced in the opposite direction transversely to the feed direction and the unintentional displacement of the tool engagement line (20, 60). <IMAGE>

IPC 1-7

B27B 9/02

IPC 8 full level

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CPC (source: EP US)

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