

Title (en)

Battery powered portable circular saw with depth of cut control

Title (de)

Batteriebetriebene tragbare Kreissäge mit Schnittiefeinstellvorrichtung

Title (fr)

Scie circulaire portable à batterie à profondeur de coupe ajustable

Publication

EP 0979711 A3 20031217 (EN)

Application

EP 99306356 A 19990811

Priority

US 13392398 A 19980813

Abstract (en)

[origin: EP0979711A2] A battery powered circular saw (10) includes a rechargeable battery (16) removably attached to the housing (12) and an adjustable shoe (122) pivotally attached to a guard assembly for controlling a depth of cut. A locking mechanism (126) for preventing relative movement between the adjustable shoe (122) and the housing (12) includes a depth of cut strap (128) disposed adjacent a first sidewall (132) of the housing (12). A lever (134) is disposed adjacent a second sidewall (136) of the housing (12). A tightening element interconnects the depth of cut strap (128) and the lever (134). The battery powered circular saw (10) additionally includes a handle (110) extending from the housing (12). The handle (110) is disposed substantially parallel to a direction of cut and oriented horizontally above the housing (12). The rechargeable battery (16) includes a pair of laterally spaced apart guide rails (52) which cooperate with the pair of longitudinally extending grooves (54) to permit sliding movement of the rechargeable battery (16) in a direction parallel to the direction of cut. <IMAGE>

IPC 1-7

B27B 9/02

IPC 8 full level

B23D 45/16 (2006.01); **B23D 47/08** (2006.01); **B27B 9/02** (2006.01)

CPC (source: EP)

B27B 9/02 (2013.01)

Citation (search report)

- [XA] JP S59140001 A 19840811 - MATSUSHITA ELECTRIC WORKS LTD
- [DY] US 3757194 A 19730904 - WEBER E, et al
- [A] US 4589208 A 19860520 - IWASAKI JUZAEMON [JP], et al
- [A] WO 9825723 A1 19980618 - RYOBI NORTH AMERICA INC [US]
- [XAY] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10 31 October 1997 (1997-10-31)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 05 30 June 1995 (1995-06-30)

Cited by

EP1422008A1; US9757806B2; US7207874B2; GB2445883A; GB2445883B; GB2411148A; GB2411148B; US7926187B2

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