

Title (en)  
BATTERY-POWERED MANUAL MACHINE TOOL

Title (de)  
AKKU-HANDWERKZEUGMASCHINE

Title (fr)  
MACHINE-OUTIL MANUELLE ACCUMULATEUR

Publication  
**EP 1453640 A1 20040908 (DE)**

Application  
**EP 02774298 A 20020904**

Priority  
• DE 0203263 W 20020904  
• DE 10159050 A 20011130

Abstract (en)  
[origin: WO03047818A1] The invention relates to a battery-powered manual machine tool (10), especially a manual sawing machine (101), which comprises a housing (12) on which a battery unit (28) is detachably captivated. Between the battery unit (28) and the housing (12) an elongated auxiliary tool (38) is stored, especially for detaching the tool, preferably for detaching the saw blade. Said manual machine tool is rendered safer and more convenient in operation by disposing the auxiliary tool (38) in such a manner that it is visible from the exterior, and can be easily felt for and especially accessed.

IPC 1-7  
**B25F 5/02**

IPC 8 full level  
**B25F 5/02** (2006.01)

CPC (source: EP US)  
**B25F 5/029** (2013.01 - EP US)

Citation (search report)  
See references of WO 03047818A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03047818 A1 20030612**; CN 1308121 C 20070404; CN 1512930 A 20040714; DE 10159050 A1 20030612; DE 50207139 D1 20060720; EP 1453640 A1 20040908; EP 1453640 B1 20060607; JP 2005511329 A 20050428; US 2004045176 A1 20040311; US 6889439 B2 20050510

DOCDB simple family (application)  
**DE 0203263 W 20020904**; CN 02803177 A 20020904; DE 10159050 A 20011130; DE 50207139 T 20020904; EP 02774298 A 20020904; JP 2003549050 A 20020904; US 43229403 A 20030521