

Title (en)
CORDLESS SOLDERING IRON

Title (de)
SCHNURLOSER LÖTKOLBEN

Title (fr)
FER A SOUDER AUTONOME

Publication
EP 1463600 A4 20070321 (EN)

Application
EP 01990183 A 20011214

Priority
US 0148265 W 20011214

Abstract (en)
[origin: CA2467779A1] A soldering iron comprises a graphite tip having two separate halves (9, 10) that are electrically isolated from each other. When both halves of the tip are applied to an electrically conductive material, such as the material to be soldered, an electrical circuit between the tip halves (9, 10) and an electrical power source (8) is completed. Therefore, the tip can reach operating temperatures quickly. When the tip is removed from the joint, the electric circuit is broken and the tip material may quickly cool to a safe temperature. The tip material permits higher power outputs than other battery operated portable soldering irons.

IPC 1-7
B23K 3/00

IPC 8 full level
B23K 3/03 (2006.01); **B23K 3/00** (2006.01); **B23K 3/02** (2006.01)

CPC (source: EP KR)
B23K 3/02 (2013.01 - KR); **B23K 3/025** (2013.01 - EP); **B23K 3/03** (2013.01 - EP KR); **B23K 3/0323** (2013.01 - EP)

Citation (search report)

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

Designated extension state (EPC)
RO SI

DOCDB simple family (publication)
AU 2002229048 A1 20030630; BR 0117196 A 20041109; CA 2467779 A1 20030626; CA 2467779 C 20110705; CN 100430173 C 20081105; CN 1582210 A 20050216; EP 1463600 A1 20041006; EP 1463600 A4 20070321; HK 1073816 A1 20051021; JP 2005511322 A 20050428; KR 20040076866 A 20040903; MX PA04005745 A 20041129; RU 2004121452 A 20050610; RU 2288818 C2 20061210; UA 76814 C2 20060915

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AU 2002229048 A 20011214; BR 0117196 A 20011214; CA 2467779 A 20011214; CN 01823937 A 20011214; EP 01990183 A 20011214; HK 05106552 A 20050801; JP 2003552482 A 20011214; KR 20047009090 A 20011214; MX PA04005745 A 20011214; RU 2004121452 A 20011214; UA 2004705725 A 20011214