

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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- [A] SU 1590244 A1 19900907 - ROSTOVSKIY O Z TRESTA PROMAVTO [SU]
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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)  
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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