

Title (en)  
SINGLE SIDED RESISTANCE WELDING

Title (de)  
EINSEITIGES WIDERSTANDSSCHWEISSEN

Title (fr)  
SOUDAGE PAR RESISTANCE SUR UN SEUL COTE

Publication  
**EP 1280630 A1 20030205 (EN)**

Application  
**EP 01931837 A 20010510**

Priority  
• GB 0102033 W 20010510  
• GB 0011147 A 20000510

Abstract (en)  
[origin: GB2362121A] Single sided resistance welding apparatus comprises an electrically operated servo motor 4 connected to drive a welding electrode 3 a predetermined distance into engagement with a surface of a first metallic member 1 to be welded to a second metallic member 2 to which access is limited and which is in engagement with the first metallic member 1. Means 7 are provided for dynamically controlling the position of the welding electrode 3 with respect to the surface of the first metallic member 1 during the welding operation by controlled activation of the electrically operated servo motor 4. The first and second metallic members 1, 2 may comprise a metal sheet and metal tube produced by a hydroforming process respectively.

IPC 1-7  
**B23K 11/11**; **B23K 11/25**; **B23K 11/31**

IPC 8 full level  
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CPC (source: EP)  
**B23K 11/11** (2013.01); **B23K 11/30** (2013.01); **B23K 11/31** (2013.01); **B23K 11/364** (2013.01)

Citation (search report)  
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