

Title (en)

WELDING DEVICE FOR TWO WORK PIECES TO BE JOINED TOGETHER BY A WELD SEAM WHICH IS CLOSED IN ITSELF

Title (de)

SCHWEISSEINRICHTUNG FÜR ZWEI ÜBER EINE IN SICH GESCHLOSSENE SCHWEISSNAHT MITEINANDER ZU VERBINDENDE WERKSTÜCKE

Title (fr)

DISPOSITIF DE SOUDAGE POUR DEUX PIÈCES À ASSEMBLER PAR UN CORDON DE SOUDURE FERMÉ EN SOI

Publication

EP 1023140 A1 20000802 (DE)

Application

EP 98954348 A 19981005

Priority

- DE 19745929 A 19971017
- EP 9806336 W 19981005

Abstract (en)

[origin: WO9920430A1] The invention relates to a welding device which works by means of a laser beam, for joining two work pieces (1, 2) together with a continuous weld seam (N) which is closed in itself. Said welding device comprises an optical focusing system (7) with a sensor (10) for following the seam and is supported by a swivel arm (11) so that the optical focusing system (7) defines a circular path in relation to the work pieces (1, 2). The position of the optical focusing system (7) on the swivel arm (11) is corrected by means of a drive mechanism (13) in accordance with the measuring result of the sensor (10) for following the seam.

IPC 1-7

B23K 26/08; **B23K 26/04**

IPC 8 full level

B23K 26/04 (2006.01); **B23K 26/08** (2006.01)

CPC (source: EP US)

B23K 26/04 (2013.01 - EP US); **B23K 26/0853** (2013.01 - EP US)

Citation (search report)

See references of WO 9920430A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

WO 9920430 A1 19990429; DE 19745929 C1 19990729; EP 1023140 A1 20000802; PL 339918 A1 20010115; US 6288359 B1 20010911

DOCDB simple family (application)

EP 9806336 W 19981005; DE 19745929 A 19971017; EP 98954348 A 19981005; PL 33991898 A 19981005; US 52931400 A 20000411