

Title (en)

METHOD AND DEVICE FOR BUTT WELDING TWO SHEET PARTS

Title (de)

VERHAREN UND VORRICHTUNG ZUM STUMPFSCHEISSEN ZWEIER FOLIENARTIGER WERKSTÜCKE

Title (fr)

PROCEDE ET DISPOSITIF DE SOUDAGE BORD A BORD DE DEUX PIECES EN FEUILLE

Publication

**EP 1353774 A1 20031022 (FR)**

Application

**EP 02700377 A 20020123**

Priority

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Abstract (en)

[origin: FR2819743A1] The invention concerns a head for butt welding two sheet parts (6, 7) comprising a gantry (1) containing means for transmitting (2) and focusing (3) a laser beam, the gantry (1) forming the support of a device illuminating (13) the scene (10) located upstream of the beam focusing point (4) on the contact line (5) of the two parts (6, 7). The invention is characterised in that the gantry (1) is equipped opposite the illuminating device (13) with a support (25) for being fixed to a programmable actuator (24), which support comprises a portion (25) provided with means (26) for being coupled to the actuator and a portion (27) integral with the gantry (1), the two portions being mounted mobile relative to each other along a direction perpendicular to the axis of the laser beam and coupled to each other by a powered mechanism (28) adjusting their relative position along said direction.

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