

Title (en)

METHOD AND DEVICE FOR THE MARGINAL CONNECTION OF SHEET METALS USING A CONNECTING DEVICE FOR LASER OPTICS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM RANDSEITIGEN VERBINDEN VON BLECHEN UNTER VERWENDUNG EINER ANSCHLUSSVORRICHTUNG FÜR DIE LASEROPTIK

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ASSEMBLER DES TÔLES SUR LEURS BORDS EN UTILISANT UN DISPOSITIF DE RACCORDEMENT POUR L'OPTIQUE LASER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009077064A1] The invention relates to a method and to a device for the marginal connection of sheet metals (8, 9), particularly of auto body sheets in automotive construction, wherein in a device (1) the edge of a first sheet metal (8) is crimped over the edge of the second sheet (9) to form a fold (10), the edges are pressed together and connected to each other by thermal joining, wherein in the region of the fold (10) at least one connecting device (7) for the laser optics of a laser welding unit is attached, subsequent to the folding operation the laser optics is introduced in the region of the connecting device (7), at least one weld point and/or a weld seam is produced in the fold region, the laser optics is removed from the connecting device (7) and optionally connected to further connecting device (7), and after all necessary weld points or weld seams have been produced, the finished component is removed from the device (1).

IPC 8 full level

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