

Title (en)

METHOD FOR BUTT WELDING SHEET METAL PLATES, AND WELDING MACHINE FOR THE APPLICATION OF THIS METHOD

Title (de)

VERFAHREN ZUM STUMPFSCHEISSEN VON BLECHTAFELN UND SCHWEISSMASCHINE FÜR DIE ANWENDUNG DIESES VERFAHRENS

Title (fr)

PROCÉDÉ DE SOUDAGE BOUT À BOUT DE PLAQUES EN TÔLE, ET MACHINE À SOUDER DESTINÉE À L'APPLICATION DE CE PROCÉDÉ

Publication

**EP 2349629 A1 20110803 (EN)**

Application

**EP 08876077 A 20081021**

Priority

IT 2008000656 W 20081021

Abstract (en)

[origin: WO2010046937A1] A butt welding method for sheet metal plates comprises the following steps: providing a first and a second sheet metal plate edge (P1, P2) arranged to butt against each other in such a way that a gap (G) is left between them; and forming a through weld between the first and second sheet metal plate edges in the gap. The formation of the through weld comprises the following operations: forming a first weld bead (DW) on one side of the plate edges by continuous wire arc welding using a pair of wire electrodes (21a, 21b) converging towards the gap and extending transversely with respect to the direction of extension of the gap, this first weld bead penetrating into the gap by an amount equal to a fraction of the thickness of the plate edges; and forming a second weld bead (UW) on the opposite side of the plate edges, using continuous wire arc welding, this second weld bead penetrating into the gap until it meets the first weld bead.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2010046937A1

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