

Title (en)

METHOD OF WELDING A HOLDER TO A METAL SHEET, INCLUDING REMOVAL OF SOME HOLDER MATERIAL AND DEPOSITION THEREOF ON THE METAL SHEET

Title (de)

VERFAHREN ZUM ANSCHWEISSEN EINES HALTERS AN EIN BLECH MIT ABTRAGUNG ETWAS HALTERMATERIALS UND DEPONIERUNG AUF DAS BLECH

Title (fr)

PROCEDE DE SOUDAGE D'UN ELEMENT DE MAINTIEN A UNE TOLE, AVEC RETRAIT D'UNE PARTIE DE LA MATIERE DE L'ELEMENT DE MAINTIEN ET DEPOT SUR LA TOLE

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Abstract (en)

[origin: WO2005118200A1] The invention relates to a method for welding a holder (20) comprising a narrow surface, the holder (20) being joined to a metal sheet by means of said narrow surface. According to the inventive method, the narrow surface of the holder (20) is retained at a free distance from the metal sheet (24), a voltage is applied between the holder (20) and the metal sheet (24), and an electric arc (42) burns between the narrow surface and the metal sheet (24). Some material is removed from the narrow surface because of the electric arc and is applied to the metal sheet (24) as a deposited melt (46). The holder (20) is then brought in contact with the metal sheet (24), the narrow surface of the holder (20) being dipped into the deposited melt (46). The melt crawls up along the holder (20) and a concave welding seam or filling is formed. The voltage is switched off and the electric arc (42) is extinguished. The welding process is rendered more stable by using inert gas.

IPC 8 full level

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