

Title (en)  
WELDING UNIT AND WELDING METHOD BY MEANS OF WHICH AT LEAST TWO DIFFERENT WELDING PROCESSES MAY BE COMBINED

Title (de)  
SCHWEISSANLAGE UND SCHWEISSVERFAHREN, BEI DEM ZUMINDEST ZWEI UNTERSCHIEDLICHE SCHWEISSPROZESSE  
MITEINANDER KOMBINIERT WERDEN

Title (fr)  
INSTALLATION ET PROCEDE AVEC LESQUELS AU MOINS DEUX PROCESSUS DE SOUDAGE DIFFERENTS SONT COMBINES

Publication  
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Application  
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Abstract (en)  
[origin: WO2005056228A1] The invention relates to a welding unit (27), comprising a welding device (1), with a welding torch unit (29) which may be connected thereto by means of a tube group (23, 28). At least one controller (4), a welding power supply (2) and, optionally, a wire supply unit (30) are arranged in the welding device (1). The welding torch unit (29) comprises at least two separate welding burners (10, 35), embodied for carrying out at least two independent separate welding processes. The invention further relates to a welding method, in which at least two different welding processes can be combined. According to the invention, such a welding unit (27) and welding method can be achieved, in which the amount of introduction of additional material and the heat or energy supply into the workpiece (16) may be adjusted as independently from each other as possible, whereby the first welding burner (10) is embodied for carrying out a welding process and at least one second welding burner (35) is embodied for carrying out a cold metal transfer welding process with a back-and-forth movement of a welding rod (32) and for synchronisation of the welding processes carried out with the at least two welding burners (10, 35).

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Cited by  
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