

Title (en)

METHOD FOR STRIKING ELECTRIC ARC IN HYBRID LASER-ARC WELDING

Title (de)

VERFAHREN ZUM ENTZÜNDEN EINES LICHTBOGENS BEI HYBRIDLASERLICHTBOGENSCHWEISSEN

Title (fr)

PROCEDE D'AMORCAGE DE L'ARC ELECTRIQUE EN SOUDAGE HYBRIDE LASER-ARC

Publication

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Application

EP 02774855 A 20020729

Priority

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- FR 0111855 A 20010913

Abstract (en)

[origin: FR2829415A1] A method for the hybrid arc-laser welding of metal components consists of: (a) striking an electric arc using an electrode fed with electric current in the presence of a protective gas containing at least 50% of argon to produce a pilot arc; (b) transferring the pilot arc to the weld zone; (c) providing the weld zone with a protective gas atmosphere containing at least 50% of helium to protect at least part of the weld zone and welding the weld joint, in the presence of this protective gas atmosphere, using a combined laser beam and electric arc.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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