

Title (en)
DYNAMIC INDUCTION WELDING INSTALLATION

Title (de)
DYNAMISCHE INDUKTIONSSCHWEISSANLAGE

Title (fr)
INSTALLATION DE SOUDAGE DYNAMIQUE PAR INDUCTION

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Application
EP 22730242 A 20220524

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Abstract (en)
[origin: WO2022248443A1] The invention relates to a dynamic induction welding installation for welding first and second workpieces (2, 3) in a weld zone (S), the second workpiece (3) being placed between a lightning protection system (15) and the first workpiece (2), the workpieces (2, 3) comprising a composite material, the installation (1) having an induction heating device (8) placed on one side of the first workpiece (2) facing away from the second workpiece (3) and configured to create a magnetic field (B_i) so as to form the weld in the weld zone (S), and a medium (9) placed in contact with the lightning protection system (15) on a side opposite to the second workpiece (3), the medium (9) being configured so as to be capable of generating a reaction magnetic field (B₂) at least partially opposing the magnetic field (B₁) in at least a part of the lightning protection system (15).

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