

Title (en)

METHOD FOR WELDING HARD MATERIAL BODIES TO TEETH OF A SAW BLADE

Title (de)

VERFAHREN ZUM ANSCHWEIßEN VON HARTSTOFFKÖRPERN AN ZÄHNE EINES SÄGEBLATTES

Title (fr)

PROCÉDÉ DE SOUDAGE D'ÉLÉMENTS EN MATÉRIAU DUR SUR DES DENTS D'UNE LAME DE SCIE

Publication

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Application

**EP 19755885 A 20190815**

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Abstract (en)

[origin: WO2020038819A1] The invention relates to a method for welding hard material bodies (4) to teeth (6) of a saw blade (8), in particular of a band saw blade or circular saw blade, wherein each tooth (6) has a joining surface (116), and each hard material body (4) has a joining surface (118). The joining surface (118) of the hard material body (4) can be welded to the joining surface (116) of the tooth (6). The method has the following steps: - bringing each tooth (6) of the saw blade (8) into a working region (10); - guiding each hard material body (4) towards the tooth (6) located in the working region (10); - advancing a welding device (24) into the working region (10); - welding the hard material body (4) to the tooth surface (11) of the tooth (6) located in the working region (10); - and withdrawing the welding device (24) out of the working region (10). According to the invention, at least one welding introduction attachment (120) which protrudes from the joining surface (116) of the tooth (6) is formed on each tooth (6) or at least one welding introduction attachment (122) which protrudes from the joining surface (118) of the hard material body (4) is formed on each hard material body (4). The welding introduction attachment (120; 122) is melted upon introducing a welding pulse.

IPC 8 full level

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