

Title (en)

ULTRASONIC WELDING APPARATUS WITH CLAMPING DEVICE AND METHOD FOR ULTRASONIC WELDING

Title (de)

ULTRASCHALLSCHWEISSVORRICHTUNG MIT SPANNEINRICHTUNG UND VERFAHREN ZUM ULTRASCHALLSCHWEISSEN

Title (fr)

DISPOSITIF DE SOUDAGE PAR ULTRASONS COMPRENANT UN DISPOSITIF DE SERRAGE ET PROCÉDÉ DE SOUDAGE PAR ULTRASONS

Publication

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Application

EP 17729869 A 20170614

Priority

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Abstract (en)

[origin: WO2017216199A1] An ultrasonic welding apparatus (50) is disclosed, including a sonotrode (8) with a working surface (10), an anvil (4) with a working surface (11), which lies opposite the working surface (10) of the sonotrode (8), two side delimiters (5, 6) with respective side delimiting surfaces (12, 13), wherein the working surfaces (10, 11) of the sonotrode (8) and of the anvil (4) and the side delimiting surfaces (12, 13) delimit a compression chamber (9), which is designed for placing in particular elongated welding material (60) in a welding material direction (B), wherein the ultrasonic welding apparatus (50) has a clamping device (14), by means of which the anvil (4) can be clamped at least in a welding position (S) by a clamping force, which acts on at least part of a side (15) of the engaging surface (26) of the anvil (4) that lies opposite the working surface (11) of the anvil (4), in the direction of the sonotrode (8). A method for ultrasonic welding is also disclosed.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2017216199A1

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