

Title (en)
ULTRASONIC WELDING DEVICE

Title (de)
ULTRASCHALL-SCHWEISSEINRICHTUNG

Title (fr)
DISPOSITIF DE SOUDAGE PAR ULTRASONS

Publication
EP 3678809 A1 20200715 (DE)

Application
EP 18765012 A 20180814

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Abstract (en)
[origin: WO2019042765A1] The invention relates to an ultrasonic welding device comprising a horn (14) transmitting ultrasonic vibrations and an anvil (15) arranged on an anvil carrier (17). The anvil (15) is arranged exchangeably on the anvil carrier (17), in such a way that a contact surface (21) of the anvil (15) bears against a support surface (22) of the anvil carrier (17) by means of a normal force generated by a pretensioning device. The contact surface (21) of the anvil (15) has a surface hardness that is greater than the surface hardness of the support surface (22) of the anvil carrier (17). The contact surface (21) has a surface structure at least in the region of a partial area, and the contact surface (21) has a surface roughness where $R_z/R_a \geq 2$, at least in the region of the partial area.

IPC 8 full level
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See references of WO 2019042765A1

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