

Title (en)

SONOTRODE, DEVICE AND METHOD FOR PRODUCING A JOIN

Title (de)

SONOTRODE, VORRICHTUNG SOWIE VERFAHREN ZUR HERSTELLUNG EINER VERBINDUNG

Title (fr)

SONOTRODE, DISPOSITIF ET PROCÉDÉ D'ÉTABLISSEMENT D'UNE LIAISON

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Application

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Abstract (en)

[origin: WO2017016875A1] The invention relates to a sonotrode (18) for producing a join, in particular a welded join and/or a soldered join, between a cable (17) and a sheath (17) covering the cable (17), comprising at least one working surface (2), wherein the working surface (2) is curved in a concave manner, at least in sections, in a second profile, in particular curved in a concave manner. The invention also relates to an anvil (10) comprising at least one counter surface (11), which is curved in a concave manner, at least in sections, in a second profile, in particular curved in a concave manner. The invention further relates to a device for producing a join between a cable (17) and a sheath (17) covering the cable (17), comprising a sonotrode (18) joined to an ultrasound source (8) at least at a joining surface (5), and comprising an anvil (10) arranged opposite the working surface (2) of the sonotrode (18). In addition, the invention relates to a method for producing a join between a cable (17) and a sheath (17) covering the cable (17).

IPC 8 full level

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