

Title (en)

TORCH NECK FOR THERMALLY JOINING AT LEAST ONE WORKPIECE, TORCH WITH TORCH NECK, AND WELDING DEVICE

Title (de)

BRENNERHALS ZUM THERMISCHEN FÜGEN WENIGSTENS EINES WERKSTÜCKS, BRENNER MIT BRENNERHALS UND SCHWEISSVORRICHTUNG

Title (fr)

COL DE BRÛLEUR POUR RÉALISER L'ASSEMBLAGE THERMIQUE D'AU MOINS UNE PIÈCE, BRÛLEUR COMPORTANT LE COL DE BRÛLEUR ET DISPOSITIF DE SOUDAGE

Publication

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Application

EP 21835588 A 20211201

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Abstract (en)

[origin: WO2022122497A1] The invention relates to a torch neck (10), to a torch with a torch neck (10) and to a welding device for thermally joining at least one workpiece, in particular for arc joining, preferably for arc welding or arc soldering, with an electrode, arranged in the torch neck (10), or a wire for producing an arc between the electrode or the wire and the workpiece and with a gas nozzle (1) for the outflow of a stream of protective gas from a gas outlet (2) of the gas nozzle (1), with a nozzle stock (3), which has an internal cavity (7) and at least one gas-outlet opening (8), which is in fluidic connection with the gas outlet (2) of the gas nozzle (1), and with a nozzle-stock insert (20), which is arranged in the internal cavity (7) of the nozzle stock (3) and has a front end (23) and a rear end (24), wherein the outer wall (22) of the nozzle-stock insert (20) is at a distance from the inner wall (9) of the nozzle stock (3), at least in some regions, to form a flow space (11) for the stream of protective gas, and the flow space (11) is in fluidic connection with the gas-outlet opening (8) of the nozzle stock (3). According to the invention, a front and/or rear inflow region, which is formed by a front and/or rear gap (25, 26) and is intended for introducing the protective gas into the flow space (11), is provided at the front end (23) and/or at the rear end (24) of the nozzle-stock insert (20).

IPC 8 full level

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Citation (search report)

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