

Title (en)

STEAM CUTTING METHOD AND TORCH FOR IT

Title (de)

WASSERDAMPF-SCHNEIDVERFAHREN UND BRENNER HIERZU

Title (fr)

PROCEDE DE COUPE A VAPEUR ET BRULEUR UTILISE POUR CELUI-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007028179A1] The invention describes a method for transforming a liquid (8) into a gaseous state for a cutting process with a steam cutting device (1), comprising a torch (6), an evaporator (25), an energy supply and a feed line (31) for a liquid (8), an appropriate temperature (27) being generated for the evaporation of the liquid (8). To create a method of this type, it is now provided that the temperature (27) is regulated during operation in such a way that a sensor (28) senses the temperature (27) of the evaporator (25) and transmits it to a control unit, which correspondingly supplies a heating element (24) with the necessary energy and by which a required pressure (34) of the liquid (8) fed into the torch (6) is regulated, so that an approximately constant temperature (27) of the evaporated liquid (8) is made available for a cutting process.

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