

Title (en)

METHOD FOR CUTTING WITH A FLUID JET

Title (de)

VERFAHREN ZUM FLÜSSIGKEITSSTRAHLSCHNEIDEN

Title (fr)

MÉTHODE POUR LA DÉCOUPE AVEC UN JET DE FLUIDE

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Application

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Abstract (en)

[origin: WO2016091447A1] The invention relates to a method for liquid-jet cutting, comprising a compressor unit (3), which compresses a liquid for producing a liquid jet, and a nozzle (10), which is connected to the compressor unit (3) and which has an outlet opening (11), through which the compressed liquid exits in the form of a liquid jet (14). The one flow of the compressed liquid to the outlet opening (11) can be interrupted or enabled by means of an interrupting unit (8). The following steps are performed: compressing the liquid by means of the compressor unit (3), moving the outlet opening (11) toward a workpiece (15) to be processed until a processing distance (d) is reached, alternately enabling and interrupting the liquid jet (14) by means of the interrupting unit (8), wherein at the same time the nozzle is moved in relation to the workpiece in a processing direction (22) and the pulse duration (tp; tp1; tp2) of the liquid jet is less than 1000 µs.

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