

Title (en)

METHOD FOR SUPPLYING CRYOGENIC FLUID TO A MACHINING MACHINE

Title (de)

VERFAHREN ZUR ZUFÜHRUNG VON KRYOGENEM FLUID ZU EINER BEARBEITUNGSMASCHINE

Title (fr)

PROCÉDÉ D'ALIMENTATION EN FLUIDE CRYOGÉNIQUE D'UNE MACHINE D'USINAGE

Publication

EP 3956101 A1 20220223 (FR)

Application

EP 20715401 A 20200406

Priority

- FR 1904159 A 20190418
- EP 2020059796 W 20200406

Abstract (en)

[origin: WO2020212187A1] Method for machining workpieces, employing an intake of a cryogenic fluid in the machining zone (1), characterized in that use is made, on the line connecting the fluid source to the machining tool (5) in the machining zone, of a valve able to self-regulate its degree of opening according to the pressure required downstream thereof, making it possible to deliver a fixed and adjustable pressure, and therefore a fixed adjustable flow, to the machining tool irrespective of the tool used, and therefore the number of orifices and the diameter of the fluid ejection orifices characterizing the tool in question.

IPC 8 full level

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CPC (source: EP US)

B23Q 11/1038 (2013.01 - EP); **B23Q 11/1053** (2013.01 - EP US); **B23Q 11/1076** (2013.01 - US); **F17C 7/02** (2013.01 - US); **F17C 13/04** (2013.01 - US); **F17C 2221/014** (2013.01 - US); **F17C 2223/0169** (2013.01 - US); **F17C 2225/0169** (2013.01 - US); **F17C 2270/0545** (2013.01 - US); **Y02P 70/10** (2015.11 - EP)

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WO 2020212187 A1 20201022; CA 3136390 A1 20201022; CA 3136390 C 20230919; CN 113784818 A 20211210; EP 3956101 A1 20220223; FR 3095153 A1 20201023; FR 3095153 B1 20211126; JP 2022528789 A 20220615; JP 7510954 B2 20240704; US 2022203490 A1 20220630

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