

Title (en)

Method and device for supplying a coolant media flow

Title (de)

Verfahren und Vorrichtung zum Austragen eines Kühlmediumstroms

Title (fr)

Procédé et dispositif destinés à la sortie d'un flux de liquide de refroidissement

Publication

**EP 2574408 B1 20180411 (DE)**

Application

**EP 11183587 A 20110930**

Priority

EP 11183587 A 20110930

Abstract (en)

[origin: EP2574408A1] The method involves guiding a carrier gas flow by a laval nozzle (3), where the laval nozzle has a longitudinal axis (7). A cooling medium is inputted in the carrier gas flow by a cooling medium nozzle (11), so that the outlet of the cooling medium flow takes place in the carrier gas flow within or downstream the laval nozzle. The cooling medium flow is displaceable in the direction of the longitudinal axis of the laval nozzle relative to the laval nozzle. The cooling medium has substances such as carbon dioxide, nitrogen and argon. An independent claim is included for a device for discharging a cooling medium flow.

IPC 8 full level

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CPC (source: EP)

**B05B 7/1606** (2013.01); **B05D 3/048** (2013.01); **C23C 24/04** (2013.01); **B05B 7/201** (2013.01); **B05B 7/222** (2013.01); **B05D 1/08** (2013.01)

Citation (examination)

- US 3703991 A 19721128 - EUSTIS WILLIAM E C, et al
- DE 10121590 A1 20021107 - HPTEC GMBH [DE]
- US 5520331 A 19960528 - WOLFE JOSEPH E [US]

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CN112846226A; FR3132032A1; CN111467722A; JP2015168861A; CN114574855A; US2021379667A1; WO2023144491A1; WO2020078886A1

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