

Title (en)

DEVICE FOR DISPENSING JETS OF CRYOGENIC FLUID, INCLUDING A PLENUM CHAMBER

Title (de)

VORRICHTUNG MIT EINEM LUFTKASTEN ZUR ABGABE VON STRAHLEN AUS EINER KRYOGENEN FLÜSSIGKEIT

Title (fr)

DISPOSITIF DE DISTRIBUTION DE JETS DE FLUIDE CRYOGÉNIQUE À CHAMBRE DE TRANQUILLISATION

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Application

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Abstract (en)

[origin: WO2013076395A1] The invention relates to a device for dispensing one or more jets of cryogenic fluid (6), comprising a fluid supply pipe (1) supplying one or more fluid-dispensing nozzles (5) arranged downstream of said pipe, in which the fluid flow section of the fluid supply pipe (1) has a first diameter (d). According to the invention, the device for dispensing one or more jets of cryogenic fluid also comprises at least one plenum chamber (4) which is arranged between the fluid supply pipe (1) and the fluid-dispensing nozzle(s) (5) and which is fluidly connected to both the pipe (1) and the nozzle(s) (5). The fluid flow section of each plenum chamber has a second diameter (D) greater than the first diameter (d) of the fluid flow section of the fluid supply pipe (1). The invention also relates to the associated treatment unit that uses one or more jets of cryogenic fluid. The invention further relates to a method for performing working operations, using the device of the invention.

IPC 8 full level

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