

Title (en)

Lance and apparatus for the production of a liquid jet of CO<sub>2</sub> and its use for a surface cleaning installation

Title (de)

Lanze und Vorrichtung zur Erzeugung eines Strahles aus flüssigem CO<sub>2</sub> und dessen Anwendung in einer Oberflächenreinigungseinrichtung

Title (fr)

Lance et appareil de production d'un jet de CO<sub>2</sub> liquide, et son application à une installation de nettoyage de surfaces

Publication

**EP 0882522 B1 20031217 (FR)**

Application

**EP 98401134 A 19980512**

Priority

FR 9706872 A 19970604

Abstract (en)

[origin: EP0882522A1] The lance, designed to produce a jet of liquid CO<sub>2</sub>, has a coupling (5) for connecting it to a pressurised source of the liquid, a progressive expansion system (3) and an outlet nozzle (9). The expansion system (3) is in the form of a capillary tube (29), especially spiral in shape. The nozzle contains a tube (91) for ejecting the liquid CO<sub>2</sub>, and incorporates a regulator (103,109) for the outlet jet aperture, made to let in a variable air flow. The forward part (113) of the nozzle is in the form of a barrel shaped to produce carbon dioxide snow.

IPC 1-7

**B08B 7/00**; **B24C 1/00**; **B05B 7/06**; **B05B 1/30**

IPC 8 full level

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CPC (source: EP)

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Cited by

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