

Title (en)

DEVICE TO PULVERIZE A LIQUID INTO A GASEOUS FLUX COMPRISING SEVERAL ALIGNED VENTURIS, AND APPLICATION OF THIS DEVICE

Publication

EP 0157691 B1 19870624 (FR)

Application

EP 85400529 A 19850320

Priority

FR 8404281 A 19840320

Abstract (en)

[origin: EP0157691A1] 1. A device for atomising a liquid into a gaseous flux, characterised in that it comprises at least two venturis disposed coaxially in series, in which said gaseous flux flows, and in the neck (1) of the venturi disposed furthest upstream at least one means (21) for injecting said liquid into said gaseous flux, the dimensions of the venturis being such that in each venturi the velocity of the gaseous flux is sonic at the level of the neck and supersonic downstream thereof, over a fraction of the divergent which follows this neck, and if P_{in} designates the generating pressure of fluid at the neck of the venturi of row $_n$ and S_n designates the section of said neck, the equation $P_{in} S_n = P_{in+1} S_{n+1}$ results.

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IPC 8 full level

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CPC (source: EP)

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Cited by

RU2717031C1; RU2626205C1; CN107803125A; DE4206981A1; EP0563556A1; EP0312428A1; FR2621833A1; AU589763B2; US6666016B2; WO0045398A3; WO9005583A1

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