

Title (en)

Process for producing one gas from a flow of gases and apparatus therefor.

Title (de)

Verfahren zur Erzeugung eines in einem Trägergasstrom förderbaren Flüssigkeitsnebels und Vorrichtung zur Durchführung des Verfahrens.

Title (fr)

Procédé de production d'un bouillard transportable dans un courant gazeux et dispositif de mise en oeuvre.

Publication

EP 0405311 B1 19940126 (DE)

Application

EP 90111617 A 19900620

Priority

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Abstract (en)

[origin: CA2035436A1] PCT/EP90/01022 : The atomization of vaporization of a liquid in a carrier gas stream always creates difficulties, particularly if small mass streams are required to produce a high degree of fineness. In order to be able to supply only the smallest droplets to the point of use, the sprayed-in collection of droplets is deflected together with the carrier gas stream so that droplets which exceed a maximum size are separated. The separated droplets may be additionally vaporized into the carrier gas stream by means of a heated contact surface. With this method it is possible to conduct a liquid mist in a carrier gas stream like a gas.

IPC 1-7

F23K 5/22; **F23D 11/30**; **B05B 7/16**; **B05B 17/04**

IPC 8 full level

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CPC (source: EP US)

B05B 7/0012 (2013.01 - EP US); **B05B 7/168** (2013.01 - EP US); **B05B 7/1686** (2013.01 - EP US); **B05B 17/04** (2013.01 - EP US); **F23D 11/30** (2013.01 - EP US); **F23K 5/22** (2013.01 - EP US)

Citation (examination)

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Cited by

BE1010763A3; CN111701369A; RU185017U1; EP3211304A1; WO9823364A1

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