

Title (en)

Method and apparatus for introducing a first medium in a second medium

Title (de)

Method and apparatus for introducing a first medium in a second medium

Title (fr)

Procédé et appareil pour introduire un premier milieu dans un second milieu

Publication

**EP 1319435 A3 20041006 (DE)**

Application

**EP 02406090 A 20021211**

Priority

CH 22652001 A 20011212

Abstract (en)

[origin: EP1319435A2] Inserting a first medium (M1) into a second medium (M2), in which the first medium is a fluid or powder and the second medium is a fluid or powder, comprises penetrating a flat outer wall (5) of a container (3) arranged in a flow channel (1) and through which the second medium flows. The first medium in the outer wall, on the surface of the outer wall or outside of the outer wall is contacted with the second medium and inserted into it. <??>An Independent claim is also included for a device for carrying out the above process. <??>Preferred Features: The first medium is impinged with a pressure within the container. The container is driven using a drive and a rotating movement is produced. The penetration rate of the first medium through the outer wall of the container can be periodically changed using a moderator.

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IPC 8 full level

**B01F 27/74** (2022.01)

CPC (source: EP)

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**B01F 27/74** (2022.01); **F24F 2006/146** (2013.01)

Citation (search report)

- [XA] US 5516466 A 19960514 - SCHLESCH RONALD D [US], et al
- [XA] DE 1704754 A1 19710527 - ZOEHREN JOSEF DIPL ING DR
- [XA] DE 8708201 U1 19871112
- [XA] GB 694918 A 19530729 - F S GIBBS INC
- [XA] EP 0226495 A1 19870624 - LIQUID AIR CANADA [CA]
- [XA] DE 19733973 A1 19990429 - HOECHST AG [DE]

Cited by

DE102007039371A1; CN102858444A; AU2004265271B2; US7866441B2; EP2338588A1; DE102008005486B9; EP1726355A3; US8771778B2;  
US7584822B2; US8231263B2; US8721840B2; WO2004035187A3; WO2005016500A1; WO2008009623A1; WO2011095697A1

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