

Title (en)

Self regulating vent for a paint supply vessel.

Title (de)

Selbsttätiges Lüftungsventil für einen Farbversorgungsbehälter

Title (fr)

Event à régulation automatique pour un récipient d'alimentation de peinture

Publication

EP 2000218 A1 20081210 (EN)

Application

EP 07109834 A 20070607

Priority

EP 07109834 A 20070607

Abstract (en)

A vessel having an air inlet, said vessel being applicable on a liquid application tool, said air inlet comprising a plurality of openings, each opening having a surface area of at the most 15 mm², said air inlet being provided with a closure valve (15,16) made of flexible elastomer material, said valve (15,16) being resiliently mounted on said air inlet in such a manner as to cover said plurality of openings and to open upon a predetermined pressure difference between a first pressure inside said vessel and a second pressure outside said vessel.

IPC 8 full level

B05B 7/24 (2006.01)

CPC (source: EP US)

B05B 7/2408 (2013.01 - EP US); **B05B 7/2478** (2013.01 - EP US)

Citation (search report)

- [XY] US 4388997 A 19830621 - GRIME THOMAS E
- [Y] WO 2005118151 A1 20051215 - ILLINOIS TOOL WORKS [US], et al
- [Y] WO 03006170 A2 20030123 - 3M INNOVATIVE PROPERTIES CO [US]
- [A] DE 202004003376 U1 20050714 - SATA FARBSPRITZTECHNIK [DE]
- [A] US 3858810 A 19750107 - SEELEY LARRY E, et al
- [A] US 3955720 A 19760511 - MALONE DAVID C

Designated contracting state (EPC)

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Designated extension state (EPC)

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