

Title (en)
Cartridge piston with a venting device

Title (de)
Kartuschenkolben mit Entlüftungsvorrichtung

Title (fr)
Piston de cartouche doté d'un évent

Publication
EP 2221257 A1 20100825 (DE)

Application
EP 10152759 A 20100205

Priority
• EP 09152496 A 20090211
• EP 10152759 A 20100205

Abstract (en)
The piston (20) has a piston jacket (21) having a longitudinal piston axis (28) and a media side surface (26), and a venting device (22) for venting air from the media side surface side. The venting device includes a cut-out (23) in the piston jacket and a radial passage (29) in the media side surface extending in a radial direction from the cut-out in the piston jacket towards the piston axis. The radial passages are arranged at the same spacing from one another, where the radial passage is designed as a slit with an open cross-section.

Abstract (de)
Ein Kartuschenkolben (20) umfasst einen Kolbenmantel (21) und eine Entlüftungsvorrichtung (22). Die Entlüftungsvorrichtung (22) ist als Ausnehmung (23) ausgebildet, die am Kolbenmantel (21) angeordnet ist.

IPC 8 full level
B65D 83/00 (2006.01); **B05C 17/005** (2006.01)

CPC (source: EP US)
B05C 17/00579 (2013.01 - EP US); **B65D 83/0005** (2013.01 - EP US)

Citation (applicant)
DE 20010417 U1 20011011 - SULZER CHEMTECH AG WINTERTHUR [CH]

Citation (search report)
• [X] US 2005029306 A1 20050210 - BRENNAN ROBERT CHARLES [US]
• [X] EP 1738834 A1 20070103 - TAH IND INC [US]
• [X] DE 9110529 U1 19911010
• [XA] WO 03050012 A1 20030619 - TAH IND INC [US], et al
• [A] DE 102006025873 A1 20071206 - FISCHBACH KG KUNSTSTOFF TECHNI [DE]
• [A] DE 202005000531 U1 20050825 - TOPIC ANTON [DE]

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DE102010048062B4; DE102017128957A1; WO2019110635A1; US8453887B2; US11154887B2; WO2011017181A1; US9145253B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 10152759 A 20100205; AU 2010200456 A 20100209; BR PI1000375 A 20100202; CA 2690171 A 20100113; CN 201010116552 A 20100210; JP 2010021225 A 20100202; KR 20100006603 A 20100125; RU 2010104684 A 20100210; TW 99103857 A 20100208; US 65847710 A 20100209