

Title (en)

Application head for dispensing and metering a fluid

Title (de)

Auftragskopf zur dosierten Abgabe von strömenden Medien

Title (fr)

Tête d'application pour la distribution et le dosage d'un fluide

Publication

EP 0748657 B1 19990811 (DE)

Application

EP 96108311 A 19960524

Priority

DE 19521478 A 19950613

Abstract (en)

[origin: DE19521478C1] The rocker is driven by piezo components arranged on both sides of a rocker joint. The rocker (15) on both sides of the rocker joint (27) has at least one rocker arm (17), on which at least one valve component (18) is arranged. The valves are opened and closed contra-rotatingly. Each valve component acts on an application valve. One valve component acts on an application valve (23) and one on a further valve (24), which is arranged within a circulating system with a pump for the fluid medium. Both valves have a common feed channel for the medium. The piezo component (30) is connected with an on-line current supply comprising an accumulator and corresponding electronics, which on current failure indicates the position of the applicator valve and corrects the closure state.

IPC 1-7

B05C 5/02; **B05C 11/10**

IPC 8 full level

B05C 5/00 (2006.01); **B05C 5/02** (2006.01); **B05C 11/10** (2006.01)

CPC (source: EP US)

B05C 5/001 (2013.01 - EP US); **B05C 5/0225** (2013.01 - EP US); **Y10T 137/87748** (2015.04 - EP US); **Y10T 137/87772** (2015.04 - EP US)

Cited by

CN106423747A; CN107303753A; CN112303290A

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 19521478 C1 19960912; DE 59602698 D1 19990916; EP 0748657 A2 19961218; EP 0748657 A3 19980107; EP 0748657 B1 19990811; US 5730359 A 19980324

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DE 19521478 A 19950613; DE 59602698 T 19960524; EP 96108311 A 19960524; US 66406996 A 19960613