

Title (en)
METHOD AND APPARATUS FOR METERING A FREE-FLOWING PRODUCT

Publication
EP 0185958 A3 19881102 (DE)

Application
EP 85115126 A 19851128

Priority
DE 3443557 A 19841129

Abstract (en)
[origin: US4842026A] A machine for transferring metered quantities of viscous materials from a source of such materials into successive receptacles has a tubular housing with inlets and outlets disposed diametrically opposite each other. The housing confines a rotary metering device having an axially extending chamber and an opening which communicates with the inlet in one angular position and with the outlet in another angular position of the metering device. A piston in the metering device draws flowable material from the source into the chamber in the first angular position and expels such material from the chamber into a receptacle in the second angular position of the metering device. The housing and the metering device have adjacent frustoconical surfaces and the metering device is movable axially to establish between such surfaces a frustoconical clearance for admission of a liquid or gaseous cleaning fluid while the metering device remains in the interior of the housing. Additional cleaning fluid can be admitted into the metering device in the region of its opening as well as into the inlet of the housing.

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B65B 3/32; **B65B 59/00**

IPC 8 full level
B65B 3/32 (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP US)
B65B 3/32 (2013.01 - EP US); **Y10T 137/4358** (2015.04 - EP US)

Citation (search report)
[A] DE 3010010 A1 19810924 - LIEDER MASCHINENBAU GMBH & CO [DE]

Cited by
EP0242786A3; EP0279409A1; DE19835060A1; FR2601646A1; DE3630077A1; US4830068A; EP0265597A3; US4860926A; EP2111120B1

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