

Title (en)
DEVICE FOR MEASURING A FLUID PRODUCT

Publication
EP 0242786 A3 19880907 (DE)

Application
EP 87105596 A 19870415

Priority
DE 3613266 A 19860419

Abstract (en)
[origin: US4867351A] A machine for transferring metered quantities of flowable materials, such as yoghurt, between a source and successive receptacles on a conveyor has a housing with an inlet in register with the source and an outlet in register with successive empty receptacles on the conveyor, and a metering device which is rotatably mounted in the housing and has an internal chamber as well as an opening which communicates with the chamber and registers with the inlet in a first angular position of the metering device and with the outlet in a second angular position of the metering device. The opening is provided in or close to one end portion of the metering device and the other end portion of the metering device extends from the housing and can be indexed between the first and second positions by a mechanism including a driving unit and a torque transmitting sleeve between the driving unit and the other end portion of the metering device. The sleeve is fastened to the metering device, either directly by way of screws or similar fasteners, or indirectly by way of a tubular insert which surrounds a bearing for the piston rod of a piston reciprocable in the chamber of the metering device to draw flowable material into the chamber in the first position and to expel flowable material from the chamber in the second position of the metering device.

IPC 1-7
B65B 3/32

IPC 8 full level
B65B 3/32 (2006.01)

CPC (source: EP US)
B65B 3/32 (2013.01 - EP US)

Citation (search report)
• [X] GB 2156911 A 19851016 - BENZ & HILGERS GMBH
• [YP] EP 0185958 A2 19860702 - LIEDER MASCHINENBAU GMBH & CO [DE]

Cited by
WO2011085709A1; CN102791583A

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0242786 A2 19871028; EP 0242786 A3 19880907; EP 0242786 B1 19930728; AT E91985 T1 19930815; CA 1279045 C 19910115; DE 3613266 A1 19871022; DE 3786691 D1 19930902; DK 189287 A 19871020; DK 189287 D0 19870413; US 4867351 A 19890919

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