

Title (en)
Filler

Title (de)
Füllmaschine

Title (fr)
Remplisseuse

Publication
EP 1698586 B1 20080521 (EN)

Application
EP 05004540 A 20050302

Priority
EP 05004540 A 20050302

Abstract (en)
[origin: EP1698586A1] Vessels 2 on a conveying rail 4 are supported by a back guide 8 and are intermittently conveyed by a transfer rake 6. A number of filling nozzles 28 which corresponds to a number of vessels 2 are installed at a filling station F, and the conveying rail has a portion 4A which is elevatable. Metering receptacles 12 connected to load cells 16 are disposed in a manner corresponding to respective filling nozzles 28. These metering receptacles 12 do not contact vessels 2 when the conveying rail portion 4A is raised, but support the vessels when the conveying rail portion 4A is lowered, allowing a mensuration of the weight of vessels 2 by the load cells 16. During a normal filling operation, the conveying rail portion 4A is maintained in its raised position to convey the vessels 2 and performs a filling operation. During a sampling operation, the conveying rail portion 4A is lowered to place vessels 2 on the metering receptacles 12 to perform a mensuration while performing a filling operation. A sampling operation can be performed in a reduced length of time using a simple construction.

IPC 8 full level
B65B 1/46 (2006.01); **B67C 3/20** (2006.01); **G01G 17/06** (2006.01)

CPC (source: EP)
B67C 3/202 (2013.01)

Cited by
EP2620406A1; DE102014104375A1; CN105584976A; EP2746172A1; DE102012112744A1; US10336476B2; US9120066B2; EP3122682B1

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