

Title (en)
FILLING DEVICE

Title (de)
FÜLLVORRICHTUNG

Title (fr)
DISPOSITIF DE REMPLISSAGE

Publication
EP 3357817 A1 20180808 (EN)

Application
EP 16851756 A 20160929

Priority
• JP 2015195575 A 20151001
• JP 2016078840 W 20160929

Abstract (en)
To provide a filling device that realizes simplification of device configuration, improvement of design freedom, and reduction of production loads, and that prevents formation of a pointed peak on the upper surface of packed contents, or uneven filling of the container. Provided is a filling device (10) including a filling nozzle (20) having a nozzle hole (23), contents supply means (30) for supplying contents (B) to the nozzle hole (23), a plunger (40) disposed inside the nozzle hole (23) such as to be movable up and down, and gas supply means (50) for supplying a gas (A). A gas inlet (25) connected to the gas supply means (50), a gas outlet (26) opened to the nozzle hole (23), and a gas flow passage (27) are formed in the filling nozzle (20). The gas (A) supplied from the gas supply means (50) is ejected from a gap between an inner circumferential surface of the nozzle hole (23) and an outer circumferential surface of the plunger (40) at a lower end of the filling nozzle (20).

IPC 8 full level
B65B 3/32 (2006.01)

CPC (source: EP KR US)
B65B 3/04 (2013.01 - US); **B65B 3/32** (2013.01 - KR); **B65B 39/00** (2013.01 - KR); **B65B 39/005** (2013.01 - US); **B65B 39/04** (2013.01 - EP US); **B65B 3/12** (2013.01 - EP US)

Cited by
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Designated extension state (EPC)
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