

Title (en)

Filling unit of a container filling machine, having improved storing capability

Title (de)

Abfülleinheit einer Behälterfüllmaschine mit verbesserter Lagerungsfähigkeit

Title (fr)

Unité de remplissage d'une machine de remplissage de récipients, dotée d'une capacité de stockage améliorée

Publication

**EP 2803623 A1 20141119 (EN)**

Application

**EP 13167942 A 20130515**

Priority

EP 13167942 A 20130515

Abstract (en)

A filling unit (10) of a filling machine (1) engages at least one container (2) to carry out filling thereof with a product, and has a flow regulator device (14) to regulate flow of the product within the container (2) during filling operations. The filling unit is integrally provided with an electronic control module (30), integrating a computing unit (32), to acquire operating data during the filling operations, relating to the filling operations being performed, and a storage memory (34), coupled to the computing unit (32), to store the operating data, during the filling operations.

IPC 8 full level

**B67C 3/00** (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP)

**B67C 3/007** (2013.01); **B67C 3/283** (2013.01); **B67C 3/287** (2013.01)

Citation (search report)

- [XY] WO 02068266 A1 20020906 - AZIONARIA COSTRUZIONI ACMA SPA [IT], et al
- [Y] GB 2072380 A 19810930 - SEITZ WERKE GMBH
- [Y] EP 1127835 A1 20010829 - KHS MASCH & ANLAGENBAU AG [DE]
- [Y] WO 2006013746 A1 20060209 - NIHON YAMAMURA GLASS CO LTD [JP], et al
- [A] WO 2011091956 A1 20110804 - KHS GMBH [DE], et al

Cited by

CN111717872A; EP3378828A1; EP4046959A1; EP3064468A1; CN105936492A; US10086960B2; WO2019048051A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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