

Title (en)

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

Title (de)

Abfülleinheit einer Behälterfüllmaschine mit verbesserter Kommunikationskapazität

Title (fr)

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

Publication

EP 2803626 A1 20141119 (EN)

Application

EP 14001724 A 20140515

Previously filed application

13167940 20130515 EP

Priority

- EP 13167940 A 20130515
- EP 14001724 A 20140515

Abstract (en)

A filling unit (10) of a filling machine (1) engages at least one container (2) to carry out filling thereof with a filling product, and is provided with an electronic control module (20), integrating a computing unit (22), and a communication interface (28), coupled to a communication bus (32) for communication with a central control unit (30). The computing unit (22) autonomously and independently initiates communication with the central control unit (30) over the communication bus (32), and asynchronously issues one or more interrupts (INT) over the communication bus (32) in order to communicate with the central control unit (30).

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

- [XYI] WO 02068266 A1 20020906 - AZIONARIA COSTRUZIONI ACMA SPA [IT], et al
- [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
- [A] GB 2072380 A 19810930 - SEITZ WERKE GMBH

Citation (examination)

- EP 0266784 A2 19880511 - ALLEN BRADLEY CO [US]
- EP 0311705 A1 19890419 - HONEYWELL BULL [US]
- US 6633942 B1 20031014 - BALASUBRAMANIAN SIVARAM [US]

Cited by

CN111717872A

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)

EP 2803622 A1 20141119; EP 2803626 A1 20141119

DOCDB simple family (application)

EP 13167940 A 20130515; EP 14001724 A 20140515