

Title (en)
APPARATUS FOR FILLING CONTAINERS

Title (de)
VORRICHTUNG ZUM BEFÜLLEN VON BEHÄLTERN

Title (fr)
DISPOSITIF DE REMPLISSAGE DE CONTENANTS

Publication
EP 3956255 A1 20220223 (DE)

Application
EP 20724406 A 20200318

Priority
• DE 102019110012 A 20190416
• DE 2020100215 W 20200318

Abstract (en)
[origin: WO2020211895A1] The invention relates to an apparatus (1) for filling containers with liquid contents. The apparatus (1) has a rotor (2), which can be driven in circulation about a vertical machine axis (MA) and has a plurality of filling elements (3), which are distributed over the circumference of the rotor (2) and are connected to a container (5) provided for the liquid contents. Also provided are a plurality of spray-nozzle units (6, 6'), which can be supplied with a spray medium and are moved along in circulation with the rotor (2), wherein each filling element (3) is fixedly assigned a spray-nozzle unit (6) which is moved along in circulation, and wherein a nozzle opening (6a) of the spray-nozzle units (6, 6') is directed towards the respectively assigned filling element (3). The invention is distinguished, in particular, in that the spray-nozzle units (6, 6') can be controlled individually, wherein, for this purpose, the spray-nozzle units (6) are equipped with suitable, controllable valves (13) and a control unit (14), which is in communicating connection with the spray-nozzle units (6, 6'), is also provided.

IPC 8 full level
B67C 3/00 (2006.01)

CPC (source: CN EP US)
B05B 12/02 (2013.01 - US); **B67C 3/001** (2013.01 - CN); **B67C 3/005** (2013.01 - CN EP); **B67C 3/22** (2013.01 - CN); **B67C 3/26** (2013.01 - CN); **B67C 3/28** (2013.01 - CN); **B67C 7/004** (2013.01 - US); **B67C 2007/006** (2013.01 - US)

Citation (search report)
See references of WO 2020211895A1

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)
WO 2020211895 A1 20201022; CN 113748079 A 20211203; CN 113748079 B 20240412; DE 102019110012 A1 20201022; EP 3956255 A1 20220223; US 11738983 B2 20230829; US 2022024747 A1 20220127

DOCDB simple family (application)
DE 2020100215 W 20200318; CN 202080029068 A 20200318; DE 102019110012 A 20190416; EP 20724406 A 20200318; US 202117500010 A 20211013