

Title (en)
Self-service distribution device for liquid foodstuffs

Title (de)
SELBSTBEDIENUNGSVERTEILVORRICHTUNG FÜR FLÜSSIGE NAHRUNGSMITTEL

Title (fr)
DISPOSITIF DE DISTRIBUTION EN LIBRE-SERVICE DE DENREES ALIMENTAIRES LIQUIDES

Publication
EP 0892375 B1 20011212 (EN)

Application
EP 97830362 A 19970717

Priority
EP 97830362 A 19970717

Abstract (en)
[origin: EP0892375A1] The self-service device provides the distribution of the product from the original container (1) by means of a level sensor consisting of a photoelectric cell (6) connected on line (7) with a computer (8) also connected with a keyboard (10) and with an electronic valve (12). To draw the product, the customer digits the quantity of product to buy on the keyboard (10) so causing the going out of the same through the electronic valve (12) and its discharge, through an output device, into a carry-way container (17) placed in station (18). Said output device provides on a fixed frame (19) an air cylindr (20) controlled by an electronic valve for the vertical translation of the mobile part of the frame with two pipes with a 90 DEG angle of which the horizontal pipe (23) gets into the other vertical pipe (25) with a larger diameter stabilized in a coaxial guide (26) of the fixed frame and providing a servomotor (27) to translate inside itself an axial pipe (28). When in non-delivery condition, the axial pipe (28) obstructs with its lower blocking end (31) with hole (35) the delivery mouth (33) sets between the inside wall (30) of the coaxial pipe (25) and the outside wall (34) of the axial pipe (28). On receiving of the delivering order of the product (13), the electronic valve (22) actuates the coming of the mobile part of the frame (23-25) to the lower limit stop with introduction into the container (17) of the lower tract (40) of the pipe (25) with blocking end (31) and conic gasket (42). The computer (8) then starts the servomotor (27) bringing in downward sliding the axial pipe (28) so opening, through the lowering of the blocking end (31), the delivery mouth (33) so that the product (13), through the horizontal duct (45) and vertical duct (46), comes out to the mouth (33) to fill up the container (17). <IMAGE>

IPC 1-7
G07F 13/02

IPC 8 full level
G07F 13/02 (2006.01)

CPC (source: EP)
G07F 13/025 (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0892375 A1 19990120; EP 0892375 B1 20011212; AT E210872 T1 20011215; DE 69709079 D1 20020124; DE 69709079 T2 20020502; ES 2170359 T3 20020801

DOCDB simple family (application)
EP 97830362 A 19970717; AT 97830362 T 19970717; DE 69709079 T 19970717; ES 97830362 T 19970717