Title (en)

METHOD FOR STARTING UP A DOSING APPARATUS FOR LIQUIDS HAVING IN-LINE PROPERTIES, FOR USE PARTICULARLY IN THE MANUFACTURE OF SOFT DRINKS FROM WATER, SYRUP AND CARBON DIOXIDE

Title (de)

VERFAHREN ZUM ANFAHREN EINER FLÜSSIGKEITS-DOSIERANLAGE MIT IN-LINE-EIGENSCHAFTEN, INSBESONDERE BEI DER HERSTELLUNG VON SOFTDRINKS

Title (fr)

PROCEDE DE MISE EN MARCHE D'UNE INSTALLATION DE DOSAGE DE LIQUIDE A PROPRIETES EN LIGNE, NOTAMMENT DANS LE CADRE DE LA PRODUCTION DE BOISSONS GAZEUSES A BASE D'EAU, DE SIROP ET DE GAZ CARBONIQUE

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Abstract (en)

[origin: WO9847395A2] The invention relates to a method for starting up a dosing apparatus for liquids having in-line properties, for use particularly in the manufacture of soft drinks on the basis of water, syrup and carbon dioxide, by which method it is possible to minimize or even avoid altogether product losses, especially of syrup, during the manufacture of soft drinks while significantly raising dosing and carbonization accuracy. To this end, the invention provides for a defined, delimitable volume (VCLT) of the dosing apparatus for liquids to be completely filled with a first degassed liquid (water) between a dosing point provided for for introducing a dose of the second liquid (syrup) into the first liquid (water) and an inlet leading into the buffer tank. The invention also provides for a quantity of carbon dioxide to be added to the volume (VCLT), which quantity must be contained in a volume of carbonated soft drink corresponding to said volume (VCLT). The carbon dioxide is dissolved in the available water and a quantity of syrup is introduced into the volume (VCLT) which quantity must be contained in a volume of carbonated soft drink corresponding to said volume (VCLT). While the gas and syrup are being added, in each case a partial volume of the mixture contained in the volume (VCLT) is released into the buffer tank preloaded with carbon dioxide. The buffer tank is then filled by a continuous input of degassed water, syrup and carbon dioxide at the quantitative ratio required for the manufacture of the soft drink at the point provided for this purpose in the dosing apparatus for liquids.

IPC 1-7 (main, further and additional classification)

A23L 2/00

IPC 8 full level (invention and additional information)

B01F 3/08 (2006.01); **A23L 2/00** (2006.01); **A47J 31/40** (2006.01); **B01F 1/00** (2006.01); **B01F 3/04** (2006.01); **B67D 7/74** (2010.01)

CPC (invention and additional information)

A23L 2/00 (2013.01); **A47J 31/40** (2013.01); **B01F 1/00** (2013.01); **B01F 3/04** (2013.01); **B01F 3/08** (2013.01); **B67D 7/74** (2013.01)

Citation (search report)

See references of WO 9847395A3

Cited by

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Designated contracting state (EPC)

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