

Title (en)
DEVICE FOR THE DELIVERY OF LIQUID OR PASTY INGREDIENTS

Publication
EP 0165098 B1 19870715 (FR)

Application
EP 85400819 A 19850426

Priority
FR 8407464 A 19840515

Abstract (en)
[origin: EP0165098A1] 1. Device for the distribution of liquid or pasty ingredients in predetermined amounts, by means of which a constant volume of mixture of the said ingredients may be obtained comprising reservoirs of ingredients and proportioning pumps which are adjustable in respect of the length of the stroke of their piston, each proportioning pump being provided at its point of discharge with a pipe for distributing the proportioned ingredient into a mixture container (3), the free ends of all the distribution pipes being combined so as to distribute the ingredients simultaneously into the container (3), the said device comprising : (a) n reservoirs (1) of ingredients of a first type, (b) n piston-type proportioning pumps (2) of the same geometry, each pump being fed from a reservoir (1) of ingredients of the first type and equipped at its point of discharge with a pipe which distributes the proportioned ingredient of the first type into the mixture container (3), and each pump being assigned to each ingredient of the first type capable of constituting one of the ingredients of the mixture, (c) at least one assembly comprising a reservoir (4) of ingredient of a second type, and a proportioning pump (5) fed from the said reservoir (4) and equipped at its point of discharge with a pipe which distributes the proportioned ingredient of the second type into the container (3) (d) a proportioning pump (6) fed from a reservoir (7) of ingredient of a third type and equipped at its point of discharge with a pipe which distributes the ingredient of the third type into the container (3), the device being characterized in that it comprises, in addition ; (e) means M which affect the stroke of the pistons of the pumps (2), (5) and (6) in order to adjust correlatively the amounts of the ingredients of the mixture delivered by the said pumps so that, on the one hand, the total volume delivered by the pumps (2) associated with the reservoirs of ingredients of the first type, remains constant and that, on the other hand, the total volume delivered by the pumps (5) and (6) associated with the reservoirs of ingredients of the second and third types, remains constant.

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B01F 15/04 (2006.01); **B44D 3/00** (2006.01)

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Cited by
ES2211297A1; CN114405428A; EP0443741A1; EP0421378A1; CN110787718A; US7445372B1; FR3095128A1; WO2004012853A1

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