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(54) **CLEANING ADDITIVE AND CLEANING METHOD USING THE SAME**

(57) The present invention discloses a glass bottle cleaning additive and cleaning method for glass bottles, for use in treatment by cleaning glass bottles in a primary caustic tank and a secondary caustic tank, said cleaning additive consisting of a component A, a component B and a component C, wherein the component A contains an organic phosphine chelating agent, the component B contains a peroxide, and the component C contains an antifoaming agent, the component A is added in the primary caustic tank, the component B is selectively added in the primary caustic tank, the component A and the component B are added in the secondary caustic tank, and the component C is selectively added in the primary caustic tank or the secondary caustic tank. The addition amount of the component A is 0.05%-0.5%, the addition amount of the component B is 0.1 %-0.5%, and the addition amount of the component C is 0-0.5%, based on the weight of an caustic solution added in the primary caustic tank or the secondary caustic tank. The caustic solution in said primary caustic tank and said secondary caustic tank is a 1.5%-3% sodium hydroxide solution. The glass bottle cleaning additive and cleaning method for glass bottles of the invention enable a stable and good cleaning effect at a relatively low temperature, usually 50-70°C.

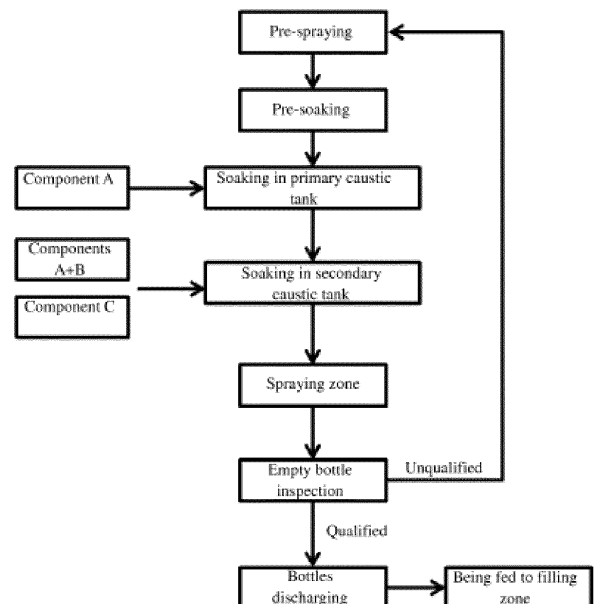


Fig.1

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Y	WO 2007/080187 A1 (ASEPTIX TECHNOLOGIES B V [NL]; BOBBERT ILJA [NL]) 19 July 2007 (2007-07-19) * claims 1,13-15,18,20,25 * * page 8, line 33 - page 9, line 22 * * page 13, line 25 - page 14, line 11 * -----	1-13	TECHNICAL FIELDS SEARCHED (IPC) C11D B08B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 31 March 2016	Examiner Gault, Nathalie
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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