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(54) Title: METHOD COMPRISING SEPARATION AND HIGH VOLTAGE PULSE TREATMENT BEFORE DIGESTION OR FURTHER PURIFICATION

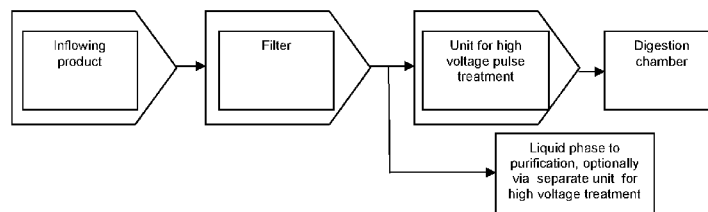


Fig. 1

(57) Abstract: The present invention describes a method of treatment of at least one phase, solid and/or liquid, of a pumpable liquid flow, wherein the method comprises first filtration for separation of a liquid phase from the pumpable liquid flow, for obtaining one flow with increased content of solid phase and one flow with increased liquid level; and thereafter treatment of the flow with increased content of solid phase with high voltage pulses in a PEF-unit. Furthermore, the present invention is also related to a system for treatment of at least one phase, solid and/or liquid, of a pumpable liquid flow and the use of such a system, such as use for the treatment of at least one phase, solid and/or liquid, of a pumpable liquid foodstuff or a ballast water flow, or as a pre-treatment before digestion. Furthermore, the present invention also refers to a method of treatment of at least one phase, solid and/or liquid, of a pumpable liquid flow, wherein the method comprises hygienization of at least a part of the pumpable liquid flow in an IR-chamber; and treatment of at least a part of the pumpable liquid flow with high voltage pulses in a PEF-unit, wherein the hygienization in the IR-chamber may be performed before or after, or both before and after, the treatment with high voltage pulses in a PEF-unit.

