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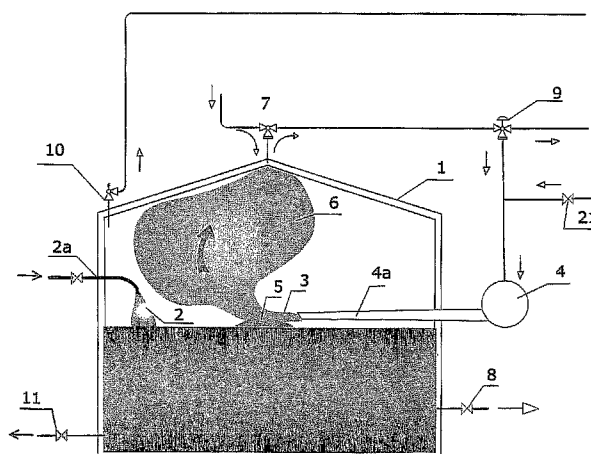
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(54) Title: PROCESS AND DEVICE FOR SEPARATION OF LIQUIDS EMULSIFIED IN MIXTURES OF LIQUIDS AND GASES DISSOLVED IN MIXTURES OF LIQUIDS AND GASES BY LOCALIZED PRESSURE REDUCTION



(57) Abstract: A process, and a device for implementing the process, for separation of fluids in emulsion and/or in solution, and/or for low pressure distillation, in particular of water and/or gaseous hydrocarbons dissolved in crude petroleum, and/or for separation of crude petroleum droplets emulsified in water, so as to obtain water with the necessary characteristics for its injection without pollution of underground aquifers, and/or when the mixture is dominant in crude petroleum, acceleration of the settling of the water in the lower part of the mixture, and/or for low pressure distillation of crude petroleum. The method creates a localized zone (5) of reduced pressure on part of the free surface of a liquid (2) to be processed, within a closed processing tank (1), without the overall pressure inside the closed processing tank being affected.

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