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(54) Title: MULTIPHASE FLOW MIXING APPARATUS AND METHOD OF MIXING

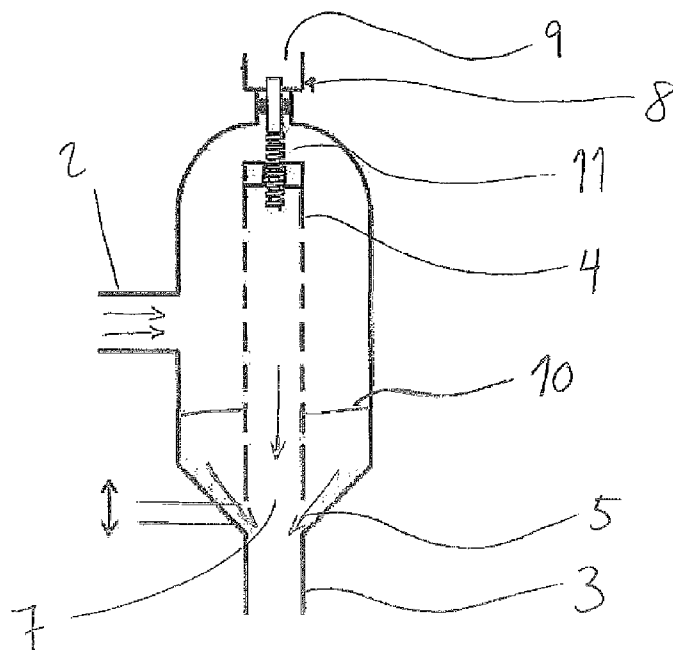


Fig. 2

(57) Abstract: An apparatus and associated method for mixing at least a first fluid phase having a first density and a second fluid phase having a second density, the apparatus comprising; at least one container (1), the container comprising at least one inlet (2) for a multiphase flow and at least one outlet (3) at a lower axial end of the container (1), a hollow flow regulating device (4) axially arranged within the container (1), wherein a first end of the flow regulating device (4) is arranged in a distance from the outlet (3) providing a drainage gap (5) between the flow regulating device (4) and the outlet (3), which drainage gap (5) has a drainage area, the flow regulating device (4) comprising a number of perforations (6) along the axial length thereof and a discharge means (7) in a first end, which discharge means (7) opens towards the outlet (3), the flow regulating device (4) being connected to a position adjustment device (8), the position adjustment device (8) being arranged to move the flow regulating device (4) in the axial direction, thereby adjusting the drainage area of the drainage gap (5).