

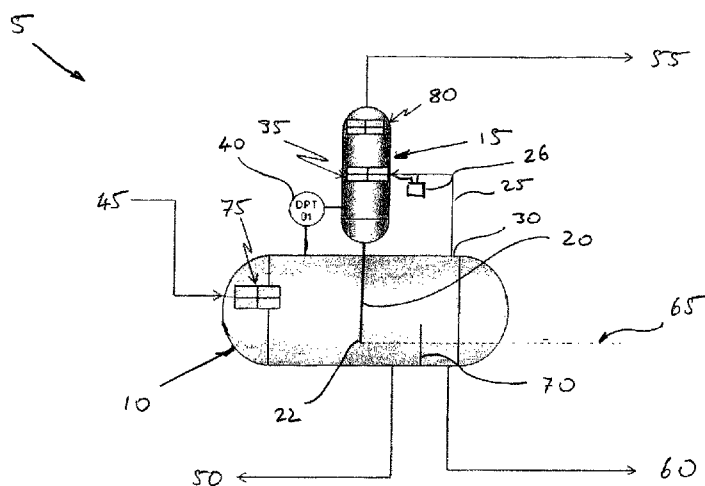


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[Continued on next page]

(54) **Title:** AN IMPROVED SEPARATOR AND METHOD FOR SEPARATION**FIGURE 1**

(57) **Abstract:** A separator vessel (5) comprising: a separation chamber (10) arranged to separate liquid from an inflow production fluid (45); at least one gas scrubber (15) for removing entrained liquid from a separated gas inflow from said separation chamber (10); wherein said at least one gas scrubber (15) is positioned above and proximate to said separation chamber (10), said gas scrubber (15) and separation chamber (10) connectable through a vertically oriented at least one liquid outflow conduit (20) arranged to direct the removed entrained liquid from the gas scrubber (15) to the separation chamber (10) wherein the conduit (20) is arranged such that an outflow end (22) of said conduit (20) extends into the separation chamber (10) such that it is lower than a minimum threshold liquid depth (65) in said separation chamber (10).



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