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(54) Title: MULTISTAGE FLUID SEPARATION ASSEMBLY AND METHOD

(57) Abstract: A multistage fluid separation assembly is disclosed, which comprises: one or more primary gas cooling devices (1) which each have liquefied and/or solidified condensables enriched fluid outlet (8); and a secondary fluid separation vessel (2) having a tubular vertical section (10), which vessel (2) is connected to the condensables enriched fluid outlet (8) of said primary gas cooling device(s)(1) via a tangential conduit (3) which injects said condensables enriched fluid tangentially into the tubular section (10) such that a tertiary stream (17) of liquified and/or solidified condensables is induced by gravity and centrifugal forces to swirl in downward direction alongside the inner surface of the tubular section (10) into a liquid collecting tank (19) at or near the bottom of the vessel (2) for collecting a tertiary mixture of liquified and/or solidified condensables, which tank (19) is provided with one or more heaters (20) for heating the tertiary mixture to reduce the amount of solidified condensables, such as wax, paraffins and hydrates, and with one or more liquid outlets (23, 26).



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