

Title (en)

SYSTEM FOR TRANSFORMING A TWO-PHASE PRIMARY FLOW INTO SEVERAL SECONDARY FLOWS

Publication

EP 0003202 B1 19811028 (FR)

Application

EP 79400026 A 19790112

Priority

FR 7801316 A 19780116

Abstract (en)

[origin: EP0003202A2] 1. An apparatus for converting a primary flow of a two-phase fluid into a plurality of secondary flows of two-phase fluid, comprising a tubular body (1), a plurality of radial partitioning walls (3a, 3b, 3c ...) disposed in the tubular body (1) which they divide into as many compartments (10a, 10b, 10c ...) which are separate from each other and whose sections perpendicular to the axis of the tubular body (1) are in the shape of an annular section, said compartments (10a, 10b, 10c ...) opening at the ends of the tubular body (1), and a plurality of outlet conduits (4a, 4b, 4c ...) which are disposed at the same side of one of the ends of the tubular body (1), each of said conduits (4a, 4b, 4c ...) communicating exclusively with one of the compartments (10a, 10b, 10c ...), characterized in that it comprises in combination a hub means (2) which is placed coaxially in the tubular body (1) with which it defines an annular space open at its two ends, said hub means comprising blades (3a, 3b, 3c ...) forming said radial partitioning walls, and flow stabilising means (22) for ensuring rotational symmetry in the distribution of the phases about the axis of the hub means (2) before distribution of the fluid among said outlet conduits (4a, 4b, 4c ...).

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