

Title (en)
METHOD AND DEVICE FOR TRANSPORTING FLUIDS ABOUT TO BOIL

Publication
EP 0322596 B1 19920408 (DE)

Application
EP 88120195 A 19881203

Priority
DE 3744487 A 19871230

Abstract (en)
[origin: EP0322596A1] A method for transporting fluids about to boil in which, in a cyclical process, the necessary transporting pressure is generated by an external heat supply alternately varying the boiling pressure of a fluid about to boil from a low initial point to a boiling pressure increased by the required pressure increase and the initial state is then re-established by reducing the pressure to the low boiling pressure with external dissipation of heat, is to be improved in that highly stressed wearing parts may be dispensed with and a high degree of reliability and long service life can be achieved together with rapid operation. <??>For this purpose it is proposed that in the vessel (1) through which the fluid about to boil flows, a partial quantity of the fluid about to boil which is being transported is directly subjected to the work-performing cyclical process in the wet steam area. <??>A corresponding device contains a vessel (1) provided with closable feed and outflow, the bottom area of which vessel has a lower temperature than the upper area, and means are provided in order to shift the liquid-vapour boundary layer into zones of differing temperature. <IMAGE>

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F04B 19/24; **G04F 1/04**

IPC 8 full level
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