

Title (en)
LIQUID RING MACHINE

Title (de)
FLÜSSIGKEITSRINGMASCHINE

Title (fr)
MACHINE A ANNEAU LIQUIDE

Publication
EP 0680562 B1 19970402 (DE)

Application
EP 94904567 A 19940111

Priority
• DE 9400021 W 19940111
• DE 4301907 A 19930125

Abstract (en)
[origin: CA2154476A1] When liquids are conveyed together in the liquid ring of a liquid ring machine (1), there results an increased power requirement and a deterioration of the running characteristics of the rotor (8). A liquid ring machine (1) for selectively conveying several liquids has a housing (3) which eccentrically surrounds a rotor (8) and whose end face is closed by lateral shields (4) for the rotor shaft. At least one controlling body provided with a suction and delivery slot (9) is associated with the rotor (8) and has a relief passage (16), additional to the delivery slot (9) located in the delivery area. In order to obtain a liquid ring having an approximately constant thickness, the relief passage (16) is directly connected to the working liquid supply line of the liquid ring machine (1) so that excess liquid (20) flowing out through the relief passage (16) is added directly to the working liquid (21).

IPC 1-7
F04C 19/00

IPC 8 full level
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CPC (source: EP US)
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DE 4301907 A1 19940728; BR 9406221 A 19960109; CA 2154476 A1 19940804; DE 59402303 D1 19970507; EP 0680562 A1 19951108; EP 0680562 B1 19970402; FI 953540 A0 19950724; FI 953540 A 19950724; JP H08505679 A 19960618; US 5605445 A 19970225; WO 9417309 A1 19940804

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