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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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- (54) **Title:** A BEVERAGE PREPARATION MACHINE WITH CLEANABLE BREWING HEAD

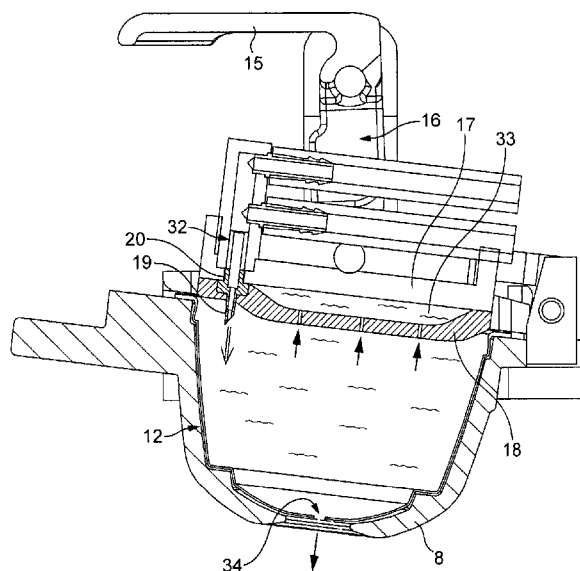


FIG. 8

(57) **Abstract:** The present invention concerns a beverage preparation machine (1) for preparing a beverage from a food substance contained in a capsule (12) by injection of a fluid into said capsule (12), said machine comprising: - a capsule holder (8) for holding a capsule, said holder (8) having a cup-shaped body (27), a handle portion (28), and a dispensing opening (29) through the bottom portion (30) of said body (27); - a fluid conduction system comprising a fluid reservoir (2), a fluid pump, optionally a fluid heater, said reservoir, pump and heater being connected by fluid pipes; - a brewing head (3) having an aperture for receiving said capsule holder (8), and an injection support (17) connected to the fluid conduction system; - an injection plate (18) supported by said support (17), said injection plate (18) comprising an upper surface (23) with a fluid coupling (32) connected to the fluid conduction system through said support, said injection plate (18) further comprising a fluid conducting channel (24) connecting the fluid coupling (32) to a fluid injection element (19) located in the lower surface (22) of said injection plate (18), such that said injection element (19) is able to inject fluid into the capsule (12), characterized in that said injection plate (18) further comprises at least one cleaning channel (21) independent from the fluid conducting channel (24) connecting its upper (23) and lower (22) surfaces, said cleaning channel(s) (21) being suitable for circulating fluid at least from the lower surface (22) towards the upper surface (23) of said injection plate (18).



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