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(54) Title: CELL CULTURING DEVICE

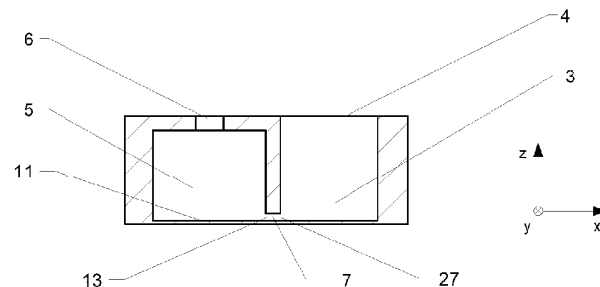


Fig. 1c

(57) **Abstract:** Disclosed herein is a cell culturing device (1) for culturing cells and/or organoids comprising a cell accommodation unit (2) comprising at least one cell culturing chamber (3) being configured for accommodating a liquid cell culturing medium (9) and a cellular structure, wherein the cell culturing chamber (3) comprises a venting opening (4) being configured for venting the cell culturing chamber; a pressure chamber (5) comprising a pressure chamber inlet (6); a channel (7) connecting the at least one cell culturing chamber (3) and the pressure chamber (5); the cell culturing device further comprising a first pressure generator (8), in particular a pump, being connected to the pressure chamber inlet and being configured for temporarily pressurizing the pressure chamber with a pressure pulse; wherein the at least one cell culturing chamber (3), the pressure chamber (5) and the channel (7) are configured such that the pressure pulse from the first pressure generator (8) propagates from the pressure chamber (5) through the channel (7) to the at least one cell culturing chamber (3) and in particular into the liquid cell culturing medium (9).

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