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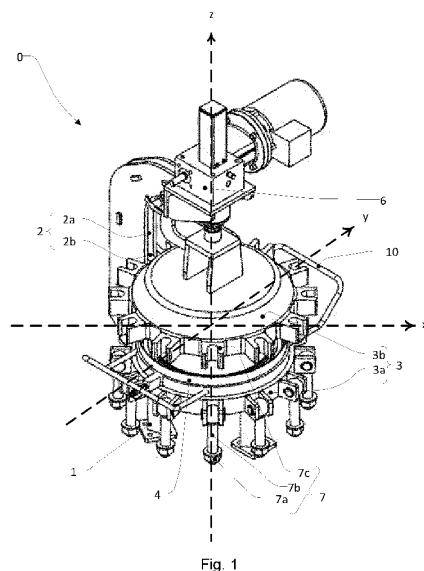
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- (54) **Title:** EASY-TO-HANDLE LIPOSOME EXTRUDER



(57) **Abstract:** Object of invention is providing an apparatus (0) for extruding liposomes under elevated fluid pressures (P) through a filter element (5) which can be handled easily and quickly under clean room environments. Basic design principle of present apparatus (0) is a pressure chamber (3) approximating a lentile like shaped ellipsoid (E). The pressure chamber (3) is composed of two hemispheres, namely a fixed socket (3a) and a releasable cap (3b). The pressure vessel (3) can be opened by lifting up the cup (3b). The apparatus (0) is equipped with an integrated guideway (2), which is designed to guide the cap (3b) vertically. The idea of this guideway (2) is to keep the alignment of cap (3b) to the socket (3a) if cap (3b) is released. As the guideway (2) allows vertical translation of the cap (3b) only, tilting of the cap (3b) and offset is excluded. This effect is further supported by the oblate shape of the cap (3b). This constellation helps removing and replacing the cap (3b) in short time without complicated alignment.