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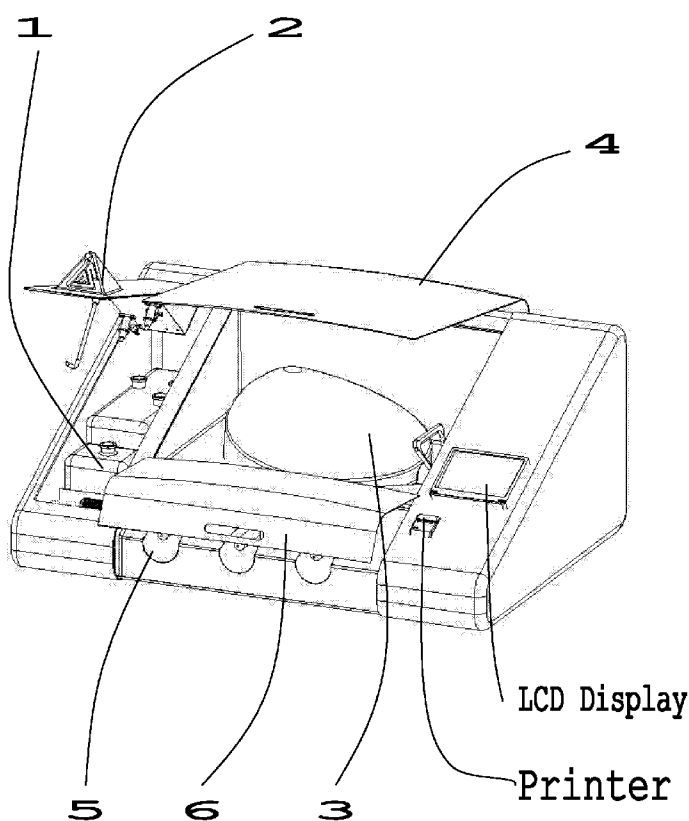
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(54) **Title:** COLD STERILIZER



(57) **Abstract:** A cold sterilizer, for deterging/decontaminating, sterilizing, drying and storing until the time of use medical devices, optionally the thermo-labile ones, in particular flexible and rigid endoscopes for surgical and diagnostic use, suitable for operating with sterilizing agents effective in the range 20-350C, comprising the following parts in combination: - a chamber, containing the tanks (1) for deterging and sterilizing chemical agents, with closure means (2) thereof; a room - which is or contains the container (3) for flexible devices - equipped with optionally see-through closure means (4); a plurality of compartments (5) substantially parallel thereamong and arranged substantially parallelly to the side walls and to the support base, equipped with individual or common closure means (6) and containing the casings (7) in which the rigid devices (8) are stored; means for the circulation of the above chemical agents among the tanks (1), the container (3), the casings (7) and the medical devices contained therein; - means for the automatic collection of the deterging and sterilizing chemical agents; - means for assuring the circulation under pressure of said agents; - means for detecting and controlling in real time the pressures exerted on the channels of the fluxed medical devices; means for allowing the purging of the channels of said medical devices; hydraulic and electrical connections; - optionally, means for recording and printing the reprocessing data;

- optionally, means for facilitating the access to the mechanics thereof. The figure shows an embodiment of the cold sterilizer according to the invention.

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