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(54) **Title:** A METHOD FOR CLEANING AN EVAPORATIVE HUMIDIFIER AND COOLER APPARATUS AND A SYSTEM COMPRISING AN EVAPORATIVE HUMIDIFIER AND COOLER APPARATUS

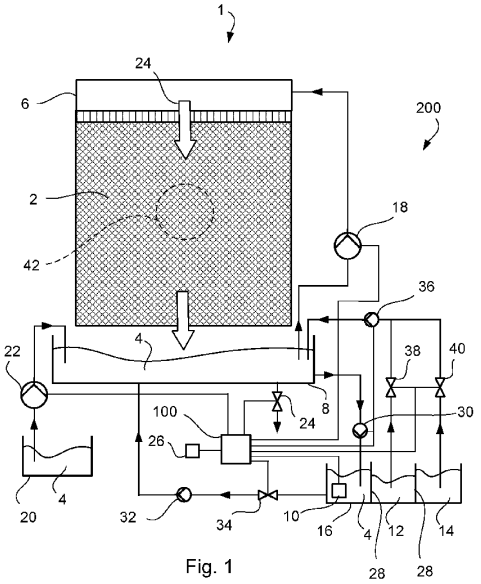


Fig. 1

(57) **Abstract:** The invention relates to a method, performed by a control device (100), for cleaning an evaporative humidifier and cooler apparatus (1) for humidification and cooling of air, the apparatus (1) comprises: a cooling and humidification media (2), which is configured to receive and evaporate a fluid (4); a fluid distribution element (6), which is configured to distribute the fluid (4) to the cooling and humidification media (2); and a tray (8) arranged to collect fluid (4) downstream of the cooling and humidification media (2), wherein the fluid (4) distributed by the fluid distribution element (6) is col- lected from the tray (8). The method comprises: determining (s101) the condition of the cooling and humidificati on media (2) based on data from a sensor device (10) ar- ranged in fluid communication with the fluid (4) downstream of the cooling and hu- midification media (2); and supplying (s102) at least one cleaning fluid (12; 14) to the cooling and humidification media (2) dependent on the condition of the cooling and humidification media (2). The invention also relates to a system (200) comprising an evaporative humidifier and cooler apparatus (1) for humidification and cooling of air, a control device (100) and a sensor device (10) arranged in communication with the control device (100).

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