

APPARATUS FOR THE RAPID COOLING OF PACKAGED BEVERAGES

ABSTRACT

An apparatus for the rapid cooling of packaged beverages that includes a thermally insulated immersion tank capable of
5 containing a liquid refrigerant and an evaporator coil placed within the tank, where the container will be submerged while held by gripping means connected to a vertical rotation axis mounted on a vertically movable cart, both driven by driving means under the control of a control unit that commands a
10 series of sequential steps such as driving the rotation of said axial rotation axis within a predetermined speed range and period of time followed by slowing down of the rotation of said axial rotation axis at a predetermined speed with a simultaneous vertical reciprocating movement of the container
15 by means of the vertically movable cart for a predetermined period of time as many times as established by the control unit.

Fig.1