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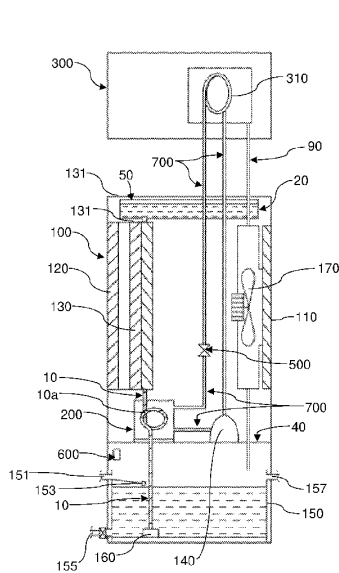


FIG. 1

(57) Abstract: The present invention relates to a condensing unit (100) comprising an air outlet (110); at least one porous side wall (120); a compressor (140) operatively connected to a chamber (200), an expansion valve (500) and an evaporator coil (310) through a plurality of refrigerant lines (700); a water reservoir (150); a centrifugal fan (170); and at least one evaporative pad (130). A water pump (160) is configured to deliver water contained in the water reservoir (150) to the at least one evaporative pad (130) through at least one conduit (10), wherein a portion of the conduit (10a) extends within the chamber (200). The centrifugal fan (170) is configured to draw ambient air through the at least one evaporative pad (130) from the at least one porous side wall (120) of the condensing unit (100) so as to cool the water flowing down the evaporative pad (130).

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