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(54) **Title**: CURRENT LIMIT CONTROL ON A TRANSPORT REFRIGERATION SYSTEM

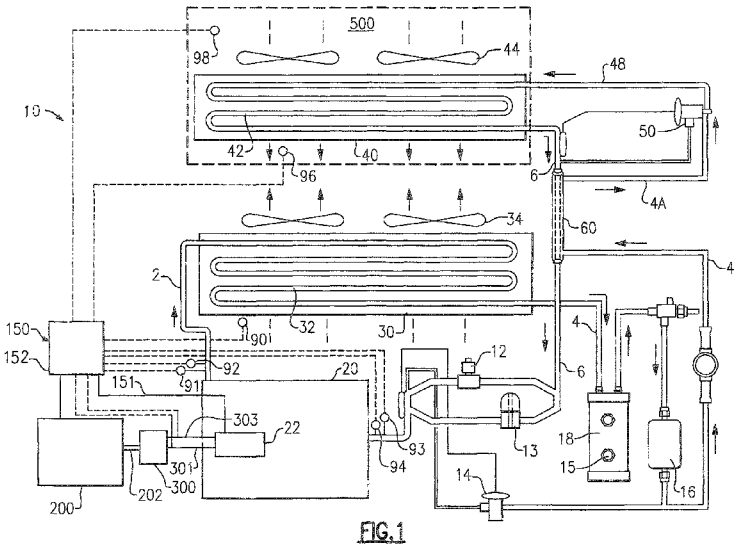



FIG. 1

(57) **Abstract**: A method for controlling the operation of a transport refrigeration system to limit current drawn by a compressor powered by AC electric current includes the steps of: (a) determining whether an ambient temperature in which the refrigeration unit is operating has been greater than a set point ambient temperature for a first time period; (b) determining whether the refrigeration unit has been operating in a temperature pulldown mode; (c) determining whether the AC electric current is equal to or exceeds a preset maximum current limit; (d) determining whether a time period between a last defrost cycle and a next previous defrost cycle is less than fifteen minutes; and (e) if the determination is YES in both of step (a) and step (b) and is also YES in at least one of step (c) and step (d), reducing the preset maximum current limit to a reset maximum current limit.

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