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(54) Title: FROZEN EVAPORATOR COIL DETECTION AND DEFROST INITIATION

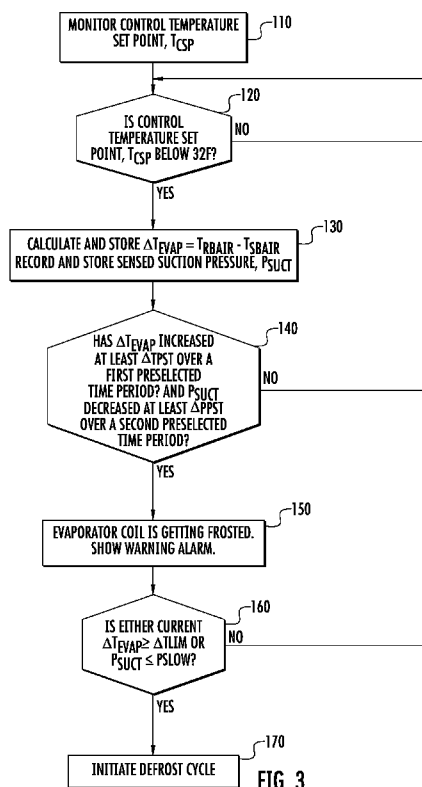


FIG. 3

(57) Abstract: A method is disclosed or detecting a frozen evaporator coil of a refrigerant vapor compression system for supplying conditioned air to a temperature controlled space before ice build-up on the evaporator coil becomes so excessive as to result in an undesirable on-off cycling of the refrigerant vapor compression system compressor when operating to a frozen temperature maintenance mode. The method may also include initiating a defrost of a frozen evaporator coil of the refrigerant vapor compression system before ice build-up on the evaporator coil becomes so excessive as to result in an on-off cycling of the refrigerant vapor compression system compressor when operating to a frozen temperature maintenance mode.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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