

Title (en)
METHODS FOR PREVENTING CONDENSATION IN REFRIGERATED DISPLAY CASES

Title (de)
VERFAHREN ZUR VERHINDERUNG VON KONDENSATION IN KÜHLVITRINEN

Title (fr)
PROCÉDÉS POUR EMPÊCHER LA CONDENSATION DANS LES PRÉSENTOIRS FRIGORIFIQUES

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Application
EP 13773452 A 20130912

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Abstract (en)
[origin: US2014069125A1] Systems, methods, and apparatuses are provided for preventing condensation in refrigerated display cases. A display case can be provided with one or more heater circuits and one or more sensors communicably coupled thereto. The sensor can sense ambient humidity levels, ambient temperature levels, and surface temperature levels. In certain embodiments, dewpoint temperatures may be calculated based on the ambient humidity and temperature levels provided by the sensor. The sensed ambient humidity level, temperature level, surface temperature, or calculated dewpoint can be compared to preset trigger levels and at least one of the heater circuits can be activated if the preset trigger level is violated. Activation of the heater circuit can be for a predetermined amount or percentage of time or at a predetermined voltage level based on the sensed or calculated level or the amount the sensed or calculated level is over the preset trigger level.

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