Title (en)

SYSTEM FOR MANAGING LUBRICANT LEVELS IN TANDEM COMPRESSOR ASSEMBLIES OF AN HVAC SYSTEM

Title (de)

SYSTEM ZUR VERWALTUNG VON SCHMIERMITTELSTÄNDEN IN TANDEMVERDICHTERBAUGRUPPEN EINES HLK-SYSTEMS

Title (fr)

SYSTÈME DE GESTION DES NIVEAUX DE LUBRIFIANT DANS DES ENSEMBLES DE COMPRESSEURS EN TANDEM D'UN SYSTÈME CVCA

Publication

EP 3147590 B1 20180725 (EN)

Application

EP 16188785 A 20160914

Priority

US 201514860274 A 20150921

Abstract (en)

[origin: EP3147590A1] A heating, ventilation, and air-conditioning (HVAC) system (1000) comprises a plurality of sensors (129), a plurality of tandem compressor assemblies (101, 102) that each comprise a first compressor (112) and a second compressor (114), and a controller (126) communicatively coupled to the plurality of sensors (129) and the plurality of tandem compressor assemblies (101, 102). The controller (126) determines an increase in a cooling demand of a structure associated with the HVAC system (1000) based on data received from at least one of the plurality of sensors (129). Also, the controller (126) compares an ambient temperature outside of the structure to a first threshold. In response to determining that the ambient temperature is greater than the first threshold, the controller (126) operates the HVAC system (1000) in a first mode and in response to determining that the ambient temperature is less than the first threshold, the controller operates the HVAC system in a second mode.

IPC 8 full level

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CPC (source: EP)

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