

Title (en)
SPLIT DEHUMIDIFICATION SYSTEM WITH SECONDARY EVAPORATOR AND CONDENSER COILS

Title (de)
GETEILTES ENTFEUCHTUNGSSYSTEM MIT SEKUNDÄRVERDAMPFER UND KONDENSATORSPULEN

Title (fr)
SYSTÈME DE DÉSHUMIDIFICATION DIVISÉ COMPORTANT DES SERPENTINS D'ÉVAPORATEUR SECONDAIRE ET DE CONDENSATEUR

Publication
EP 3674615 A1 20200701 (EN)

Application
EP 19219703 A 20191224

Priority
US 201816234052 A 20181227

Abstract (en)
A dehumidification system includes a compressor, a primary evaporator, a primary condenser, a secondary evaporator, and a secondary condenser. The secondary evaporator receives an inlet airflow and outputs a first airflow to the primary evaporator. The primary evaporator receives the first airflow and outputs a second airflow to the secondary condenser. The secondary condenser receives the second airflow and outputs a third airflow to the primary condenser. The primary condenser receives the third airflow and outputs a dehumidified airflow. The compressor receives a flow of refrigerant from the primary evaporator and provides the flow of refrigerant to the primary condenser.

IPC 8 full level
F24F 3/14 (2006.01)

CPC (source: EP KR)
F24F 3/1405 (2013.01 - EP KR); **F25B 41/31** (2021.01 - KR); **F24F 2003/144** (2013.01 - EP); **F24F 2003/1452** (2013.01 - EP KR)

Citation (search report)

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