

Title (en)
SYSTEM, APPARATUS, AND METHOD FOR ICE DETECTION

Title (de)
SYSTEM, VORRICHTUNG UND VERFAHREN ZUR EISDETEKTION

Title (fr)
SYSTÈME, APPAREIL ET PROCÉDÉ DE DÉTECTION DE GLACE

Publication
EP 2673580 A4 20170426 (EN)

Application
EP 12745318 A 20120208

Priority
• US 201161441157 P 20110209
• US 201213368814 A 20120208
• US 2012024336 W 20120208

Abstract (en)
[origin: US2012198864A1] A system, apparatus, and method for determining when an amount of ice formed on an evaporator or evaporator grid has reached a predetermined size are illustrated. An acoustic transmitter positioned proximate to the evaporator channels acoustic signals emanating from the evaporator or evaporator grid to an acoustic sensor, which generates an electronic signal indicative of the acoustic signal. A receiver module coupled to the acoustic sensor is configured to receive the electronic signal and determine that ice formed on the evaporator has reached a predetermined size based on the electronic signal.

IPC 8 full level
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CPC (source: EP US)
F25D 21/02 (2013.01 - EP US); **F25B 2700/111** (2013.01 - EP US)

Citation (search report)
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• [Y] US 2008202142 A1 20080828 - KNOWLES TERRENCE J [US], et al
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Designated contracting state (EPC)
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US 2012198864 A1 20120809; CN 103459947 A 20131218; CN 103459947 B 20160810; EP 2673580 A2 20131218; EP 2673580 A4 20170426; WO 2012109360 A2 20120816; WO 2012109360 A3 20121108

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