Title (en)

APPARATUS AND METHOD FOR ADAPTIVELY APPLYING CENTRAL HVAC SYSTEM AND INDIVIDUAL HVAC SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ADAPTIVEN ANWENDEN EINES ZENTRALEN HLK-SYSTEMS UND EINES INDIVIDUELLEN HLK-SYSTEMS

Title (fr)

APPAREIL ET PROCÉDÉ D'APPLICATION ADAPTATIVE D'UN SYSTÈME CENTRAL DE CHAUFFAGE, VENTILATION ET CLIMATISATION ET D'UN SYSTÈME INDIVIDUEL DE CHAUFFAGE, VENTILATION ET CLIMATISATION

Publication

EP 3278033 A4 20181024 (EN)

Application

EP 16773499 A 20160401

Priority

- KR 20150046295 A 20150401
- KR 2016003416 W 20160401

Abstract (en)

[origin: WO2016159718A1] The present disclosure relates to a sensor network, Machine Type Communication (MTC), Machine-to-Machine (M2M) communication, and technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the above technologies, such as smart home, smart building, smart city, smart car, connected car, health care, digital education, smart retail, security and safety services. A method and apparatus for adaptively applying a central heating, ventilation, and air conditioning (HVAC) system and an individual HVAC system are provided. The method includes analyzing comfort levels of a core zone and a perimeter zone in a building by comparing temperatures of the core zone and the perimeter zone with a set temperature, comparing a difference between the temperatures of the core zone and the perimeter zone with an environmental parameter, if only one of the core zone and the perimeter zone is comfortable as a result of the analysis, and changing a currently operating HVAC system based on a result of the comparison.

IPC 8 full level

F24F 11/30 (2018.01); **F24F 3/00** (2006.01); **F24F 11/70** (2018.01); F24F 110/10 (2018.01); F24F 110/12 (2018.01); F24F 120/10 (2018.01); F24F 140/60 (2018.01)

CPC (source: CN EP KR US)

F24F 3/00 (2013.01 - CN EP KR US); **F24F 11/30** (2017.12 - EP KR US); **F24F 11/46** (2017.12 - CN EP KR US); **F24F 11/54** (2017.12 - KR); **F24F 11/56** (2017.12 - KR); **F24F 11/62** (2017.12 - KR); **F24F 11/63** (2017.12 - CN EP KR US); **F24F 11/70** (2017.12 - EP US); F24F 11/64 (2017.12 - KR); F24F 2003/003 (2013.01 - CN EP KR US); F24F 2110/10 (2017.12 - EP KR US); F24F 2110/12 (2017.12 - EP KR); F24F 2110/70 (2017.12 - KR); F24F 2110/72 (2017.12 - KR); F24F 2120/10 (2017.12 - EP); F24F 2140/60 (2017.12 - EP KR US); H04W 4/70 (2018.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

KR 2016003416 W 20160401; CN 201680020643 A 20160401; EP 16773499 A 20160401; KR 20150046295 A 20150401; US 201615088826 A 20160401