

Title (en)
THERMAL MANAGEMENT SYSTEM FOR A MOTOR VEHICLE PASSENGER COMPARTMENT

Title (de)
WÄRMEVERWALTUNGSSYSTEM FÜR EINEN INSASSENRAUM EINES KRAFTFAHRZEUGS

Title (fr)
SYSTEME DE GESTION THERMIQUE POUR UN HABITACLE DE VEHICULE AUTOMOBILE

Publication
EP 3877704 A1 20210915 (FR)

Application
EP 19818225 A 20191107

Priority
• FR 1860337 A 20181109
• FR 2019052655 W 20191107

Abstract (en)
[origin: WO2020094998A1] The invention relates to a thermal management system for a motor vehicle passenger compartment, the system comprising a processing unit arranged to: - determine two terms that make up a thermal comfort index (TCI) value related to the passenger in the passenger compartment, - one of the terms being a stationary term (TCIs) which is representative of the heat exchanges needed to keep the passenger in a state of stabilized thermal comfort, in particular obtained using a thermo-physiological model, in particular using the data representing (MET) the metabolic activity of the passenger. - the other term being a dynamic term (TCId) representing one or more local and transitory imbalances of the thermal comfort state of the passenger, which are the result of: - either a recent thermal stress experienced by the passenger, - or a thermal stimulus intended to achieve a pleasant temporary sensation of heat or cold.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
See references of WO 2020094998A1

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