

Title (en)
DOOR ASSISTANCE SYSTEM FOR A VEHICLE

Title (de)
TÜRASSISTENZSYSTEM FÜR EIN FAHRZEUG

Title (fr)
SYSTÈME D'AIDE À L'OUVERTURE DE PORTIÈRE POUR UN VÉHICULE

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Application
EP 15826136 A 20151110

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Abstract (en)
[origin: WO2016078657A1] The invention relates to a door assistance system (1) for a vehicle (F) for preventing damage to vehicle doors (T1-T4) and/or vehicle opening panels (T5) caused by external objects when vehicle doors (T1-T4) and/or vehicle opening panels (T5) are opened. Said system comprises: a calculation unit (7), which evaluates an environmental data model, detected by sensors, of the surroundings of the vehicle (F), in order to determine a space around the vehicle (F) that is free of external objects (H1, H2, O), and which calculates maximum permissible open positions for the various vehicle doors (T1-T4) and/or vehicle opening panels (T5) of the vehicle (F) within the free space that has been determined; and a locking unit (8), which locks a vehicle door (T1-T4) and/or vehicle opening panel (T5) of the vehicle (F) when same is opened to the corresponding maximum permissible open position of the respective vehicle door (T1-T4) and/or vehicle opening panel (T5), in order to prevent contact with an external object and/or to provide entry or exit assistance.

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