

Title (en)

CONTROL METHOD AND CONTROL INTERFACE FOR A MOTOR VEHICLE

Title (de)

STEUERUNGSVERFAHREN UND STEUERSCHNITTSTELLE FÜR EIN KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ DE COMMANDE ET INTERFACE DE COMMANDE POUR VÉHICULE AUTOMOBILE

Publication

EP 3479212 A1 20190508 (FR)

Application

EP 17733843 A 20170628

Priority

- FR 1656138 A 20160629
- EP 2017066071 W 20170628

Abstract (en)

[origin: WO2018002186A1] The invention relates to a sensory feedback control method for a control interface of a motor vehicle, said control interface comprising a touch-sensitive surface (2). The method comprises the following steps: detecting at least one parameter relating to the movement of a pointing element (3) on the touch-sensitive surface (2) towards a target boundary (6) of the touch-sensitive surface (2); determining an estimated time window during which the pointing element (3) is expected to cross the target boundary (6), taking account of the parameter relating to the movement of the pointing element (3) towards the target boundary (6); calculating a moment in time, prior to the estimated time window, for the transmission of a command to generate sensory feedback, taking account of the time window determined for the crossing of the boundary; transmitting a command to generate at least one sensory feedback at said moment in time, in order to generate a sensory feedback within the determined estimated time window, so as to prevent a time lag between the perception of the sensory feedback and the crossing of the target boundary (6). The invention also relates to a control interface for a motor vehicle, configured to carry out such a control method.

IPC 8 full level

G06F 3/0488 (2013.01); **B60K 35/10** (2024.01); **G06F 3/01** (2006.01); **G06F 3/0354** (2013.01); **G06F 3/0481** (2013.01); **G06F 3/16** (2006.01)

CPC (source: EP)

B60K 35/00 (2013.01); **B60K 35/10** (2024.01); **B60K 35/25** (2024.01); **B60K 35/80** (2024.01); **G06F 3/016** (2013.01); **G06F 3/03547** (2013.01); **G06F 3/0481** (2013.01); **G06F 3/0488** (2013.01); **B60K 2360/141** (2024.01); **B60K 2360/1438** (2024.01); **B60K 2360/1468** (2024.01); **B60K 2360/566** (2024.01); **B60K 2360/573** (2024.01); **G06F 3/167** (2013.01)

Citation (examination)

EP 2778856 A1 20140917 - IMMERSION CORP [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018002186 A1 20180104; EP 3479212 A1 20190508; FR 3053488 A1 20180105

DOCDB simple family (application)

EP 2017066071 W 20170628; EP 17733843 A 20170628; FR 1656138 A 20160629