

Title (en)

FACIAL MOVEMENT AND GESTURE SENSING SIDE-VIEW MIRROR

Title (de)

SEITENBLICKSPIEGEL MIT ERFASSUNG VON GESICHTSBEWEGUNG UND GESTEN

Title (fr)

RÉTROVISEUR LATÉRAL À DÉTECTION DE GESTES ET DE MOUVEMENTS FACIAUX

Publication

EP 3445612 A4 20200101 (DE)

Application

EP 16899319 A 20160420

Priority

IB 2016052229 W 20160420

Abstract (en)

[origin: WO2017182841A1] The application provides a controller unit for a vehicle side view mirror. The controller unit includes a driver facial directional detector module, a driver hand gesture detector module, and a computing processor. The facial directional detector module includes a driver facial recognition camera port for receiving image data of a driver face, and a driver facial directional detector for determining directional data of the face according to the facial image data. The gesture detector module includes a driver hand recognition camera port for receiving image data of a driver hand, and a driver hand gesture detector for determining driver hand gesture data according to the hand image data. The computing processor is adapted for generating an activation signal for a vehicle side-view mirror actuator according to the driver face directional data and according to the hand gesture data. The computing processor sends the actuator activation signal to the mirror actuator.

IPC 8 full level

B60R 1/062 (2006.01); **B60R 1/08** (2006.01); **G06F 3/01** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP)

B60R 1/072 (2013.01); **G06F 3/012** (2013.01); **G06F 3/017** (2013.01); **G06V 20/597** (2022.01); **G06V 40/161** (2022.01); **G06V 40/28** (2022.01)

Citation (search report)

- [X1] US 2015015710 A1 20150115 - TIRYAKI RIZA [DE]
- [X1] BASTIAN PFLEGING ET AL: "Multimodal interaction in the car", PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON AUTOMOTIVE USER INTERFACES AND INTERACTIVE VEHICULAR APPLICATIONS, AUTOMOTIVEUI '12, 1 January 2012 (2012-01-01), New York, New York, USA, pages 155, XP055114585, ISBN: 978-1-45-031751-1, DOI: 10.1145/2390256.2390282
- See references of WO 2017182841A1

Designated contracting state (EPC)

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WO 2017182841 A1 20171026; **WO 2017182841 A8 20181227**; CN 109153354 A 20190104; EP 3445612 A1 20190227; EP 3445612 A4 20200101

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