

Title (en)
METHOD FOR OPERATING A MOBILE TERMINAL BY MEANS OF A GESTURE RECOGNITION AND CONTROL DEVICE, GESTURE RECOGNITION AND CONTROL DEVICE, MOTOR VEHICLE, AND AN OUTPUT APPARATUS THAT CAN BE WORN ON THE HEAD

Title (de)
VERFAHREN ZUM BETREIBEN EINES MOBILEN ENDGERÄTS MITTELS EINER GESTENERKENNUNGS- UND STEUEREINRICHTUNG, GESTENERKENNUNGS- UND STEUEREINRICHTUNG, KRAFTFAHRZEUG, UND AM KOPF TRAGBARE AUSGABEVORRICHTUNG

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN TERMINAL MOBILE AU MOYEN D'UN DISPOSITIF DE DÉTECTION DE GESTES ET DE COMMANDE, DISPOSITIF DE DÉTECTION DE GESTES ET DE COMMANDE, VÉHICULE AUTOMOBILE ET SYSTÈME D'ÉMISSION POUVANT SE PORTER SUR LA TÊTE

Publication
EP 3999939 A1 20220525 (DE)

Application
EP 20735582 A 20200701

Priority
• DE 102019210383 A 20190715
• EP 2020068456 W 20200701

Abstract (en)
[origin: WO2021008871A1] The invention relates to a method for operating a mobile terminal (22). A gesture recognition and control device (10) identifies a mobile terminal (22, S1) and determines (S2) a current graphical user interface that is generated by a display device (24) of the identified mobile terminal (22). The gesture recognition and control device (10) provides an output signal which, as the display content, describes (S3) the graphical user interface generated by the display device (24) of the identified mobile terminal (22), and transmits this signal to an output apparatus (18), which can be worn on the head, for outputting the display content in a predefined output region (32) in the interior of the motor vehicle (12, S4) as part of an augmented reality or virtual reality output by the output apparatus (18). When the display content is being output, the gesture recognition and control device (10): identifies a spatial gesture of the user (S7); on the basis of said gesture, generates a remote control signal for triggering an operating function (S12) of the mobile terminal (22, S10); and transmits said signal to a control device (26) of the identified mobile terminal (22, S11).

IPC 8 full level
G06F 3/01 (2006.01)

CPC (source: CN EP US)
B60K 35/00 (2013.01 - US); **B60K 35/10** (2024.01 - EP); **B60K 35/22** (2024.01 - EP); **B60K 35/28** (2024.01 - EP); **B60K 35/80** (2024.01 - EP); **B60W 50/10** (2013.01 - US); **B60W 60/001** (2020.02 - US); **G02B 27/017** (2013.01 - CN EP); **G06F 3/011** (2013.01 - EP US); **G06F 3/017** (2013.01 - CN EP US); **G06F 3/04815** (2013.01 - EP US); **G06F 3/04817** (2013.01 - EP); **G06F 3/0482** (2013.01 - US); **G06F 3/0484** (2013.01 - CN US); **G06F 3/04883** (2013.01 - CN); **G06T 3/40** (2013.01 - US); **G06V 40/20** (2022.01 - US); **B60K 35/10** (2024.01 - US); **B60K 35/22** (2024.01 - US); **B60K 35/28** (2024.01 - US); **B60K 2360/1464** (2024.01 - EP); **B60K 2360/1468** (2024.01 - US); **B60K 2360/175** (2024.01 - US); **B60K 2360/177** (2024.01 - EP); **B60K 2360/563** (2024.01 - EP); **B60K 2360/569** (2024.01 - EP); **B60K 2360/577** (2024.01 - EP); **B60W 2420/403** (2013.01 - US); **B60W 2540/00** (2013.01 - US); **G02B 2027/014** (2013.01 - EP); **G02B 2027/0178** (2013.01 - CN); **G06T 2200/24** (2013.01 - 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)
DE 102019210383 A1 20210121; CN 113994312 A 20220128; CN 113994312 B 20240830; EP 3999939 A1 20220525; US 12008168 B2 20240611; US 2022244789 A1 20220804; WO 2021008871 A1 20210121

DOCDB simple family (application)
DE 102019210383 A 20190715; CN 202080044013 A 20200701; EP 2020068456 W 20200701; EP 20735582 A 20200701; US 202017627304 A 20200701