Title (en)

ANALYSING DEVICE FOR DETERMINING A LATENCY TIME OF AN IMMERSIVE VIRTUAL REALITY SYSTEM

Title (de)

ANALYSEVORRICHTUNG ZUR BESTIMMUNG EINER LATENZZEIT EINES IMMERSIVEN VIRTUAL-REALITY-SYSTEMS

Title (fr)

DISPOSITIF D'ANALYSE POUR LA DETERMINATION D'UN TEMPS DE LATENCE D'UN SYSTEME IMMERSIF DE REALITIE VIRTUELLE

Publication

EP 3577531 A1 20191211 (FR)

Application

EP 18707070 A 20180125

Priority

- FR 1750820 A 20170201
- FR 2018050170 W 20180125

Abstract (en)

[origin: WO2018142044A1] A device (DA) analyses an immersive virtual reality system (SI) comprising a target (CD) that is securely fastened to an object (OM), detecting means (MD) that deliver a first signal representative of the current position of the target (CD), processing means (MT) that define images depending on the detected current position, and at least one image-displaying means (EA, PI). This device (DA) comprises a first sensor (C1) that generates a second signal when the object (OM) reaches a known position, a second sensor (C2) that generates a third signal when it detects a change in displayed image consecutive to the detection of the object (OM) in this known position by the detecting means (MD), and analysing means (MA) that determine first and second times of reception of the second and third signals then a first time difference between these first and second times of reception.

IPC 8 full level

G06F 1/00 (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G06F 3/03** (2006.01)

CPC (source: EP US)

G06F 3/011 (2013.01 - EP US); **G06T 7/70** (2016.12 - US); G06T 2207/10048 (2013.01 - US)

Citation (search report)

See references of WO 2018142044A1

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)

FR 3062488 A1 20180803; **FR 3062488 B1 20201225**; CN 110291487 A 20190927; CN 110291487 B 20230324; EP 3577531 A1 20191211; US 10551911 B2 20200204; US 2019354167 A1 20191121; WO 2018142044 A1 20180809

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