Title (en)

A CROSS REALITY SYSTEM

Title (de)

REALITÄTSÜBERGREIFENDES SYSTEM

Title (fr)

SYSTÈME DE RÉALITÉ CROISÉE

Publication

EP 3861533 A4 20221221 (EN)

Application

EP 19868457 A 20191004

Priority

- US 201862742237 P 20181005
- US 201962812935 P 20190301
- US 201962815955 P 20190308
- US 201962868786 P 20190628
- US 201962870954 P 20190705
- US 201962884109 P 20190807
- US 2019054819 W 20191004

Abstract (en)

[origin: WO2020072972A1] A cross reality system that provides an immersive user experience by storing persistent spatial information about the physical world that one or multiple user devices can access to determine position within the physical world and that applications can access to specify the position of virtual objects within the physical world. Persistent spatial information enables users to have a shared virtual, as well as physical, experience when interacting with the cross reality system. Further, persistent spatial information may be used in maps of the physical world, enabling one or multiple devices to access and localize into previously stored maps, reducing the need to map a physical space before using the cross reality system in it. Persistent spatial information may be stored as persistent coordinate frames, which may include a transformation relative to a reference orientation and information derived from images in a location corresponding to the persistent coordinate frame.

IPC 8 full level

G06T 19/00 (2011.01); **G06F 3/04815** (2022.01); **G06F 3/0482** (2013.01); **G06F 3/0486** (2013.01); **G06K 9/62** (2022.01); **G06V 10/46** (2022.01); **G06V 10/82** (2022.01); **G06V 20/20** (2022.01); **G06V 20/40** (2022.01)

CPC (source: EP US)

G06F 3/04815 (2013.01 - EP); **G06F 18/253** (2023.01 - EP); **G06T 19/006** (2013.01 - EP US); **G06V 10/462** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US); **G06V 20/20** (2022.01 - EP US); **G06V 20/49** (2022.01 - EP US)

Citation (search report)

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- [A] GABRIELE BLESER ET AL: "Cognitive Learning, Monitoring and Assistance of Industrial Workflows Using Egocentric Sensor Networks", PLOS ONE, vol. 10, no. 6, 30 June 2015 (2015-06-30), pages 1 - 41, XP055467889, DOI: 10.1371/journal.pone.0127769
- See references of WO 2020072972A1

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

DOCDB simple family (publication)

WO 2020072972 A1 20200409; **WO 2020072972 A8 20210923**; CN 113544748 A 20211022; EP 3861533 A1 20210811; EP 3861533 A4 20221221; JP 2022509731 A 20220124

DOCDB simple family (application)

US 2019054819 W 20191004; CN 201980080054 A 20191004; EP 19868457 A 20191004; JP 2021518528 A 20191004