

Title (en)

MOTION CAPTURE CALIBRATION USING DRONES

Title (de)

BEWEGUNGSERFASSUNGSKALIBRIERUNG MIT DROHNEN

Title (fr)

ÉTALONNAGE DE CAPTURE DE MOUVEMENT AU MOYEN DE DRONES

Publication

**EP 4205377 A1 20230705 (EN)**

Application

**EP 21717247 A 20210317**

Priority

- US 202063072085 P 20200828
- US 202063072088 P 20200828
- US 202063072092 P 20200828
- US 202017120020 A 20201211
- US 202017120024 A 20201211
- US 202017120031 A 20201211
- NZ 2021050044 W 20210317

Abstract (en)

[origin: WO2022045897A1] Embodiments facilitate the calibration of cameras in a live action scene using drones with multiple cameras. In some embodiments, a method configures a plurality of reference cameras to observe at least one portion of the live action scene. The method further configures at least one first camera coupled to an apparatus to observe one or more moving objects in the live action scene. The method further configures at least one second camera coupled to the at least one apparatus to observe at least three known reference points located in the live action scene. The method further receives reference point data in association with the at least one second camera, where the reference point data is based on the at least three known reference points. The method further computes a location and an orientation of the at least one first camera and the at least one second camera based on the reference point data.

IPC 8 full level

**H04N 5/222** (2006.01); **G01B 21/04** (2006.01); **G06T 7/80** (2017.01)

CPC (source: EP)

**G06T 7/73** (2016.12); **G06T 7/80** (2016.12); **H04N 23/90** (2023.01); **G01B 11/245** (2013.01); **G06T 2207/10032** (2013.01); **G06T 2207/30204** (2013.01); **G06T 2207/30244** (2013.01)

Citation (search report)

See references of WO 2022045898A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022045897 A1 20220303**; CA 3191221 A1 20220303; CN 116368350 A 20230630; EP 4205377 A1 20230705; WO 2022045898 A1 20220303; WO 2022045899 A1 20220303

DOCDB simple family (application)

**NZ 2021050043 W 20210317**; CA 3191221 A 20210317; CN 202180065626 A 20210317; EP 21717247 A 20210317; NZ 2021050044 W 20210317; NZ 2021050045 W 20210317