

Title (en)

OBJECT COLLISION DATA FOR VIRTUAL CAMERA IN VIRTUAL INTERACTIVE SCENE DEFINED BY STREAMED MEDIA DATA

Title (de)

OBJEKTKOLLISIONSDATEN FÜR VIRTUELLE KAMERA IN EINER VIRTUELLEN INTERAKTIVEN SZENE, DIE DURCH GESTREAMTE MEDIENDATEN DEFINIERT IST

Title (fr)

DONNÉES DE COLLISION D'OBJET D'UNE CAMÉRA VIRTUELLE DANS UNE SCÈNE VIRTUELLE INTERACTIVE DÉFINIE PAR DES DONNÉES MULTIMÉDIAS DIFFUSÉES EN CONTINU

Publication

**EP 4305848 A1 20240117 (EN)**

Application

**EP 22713836 A 20220309**

Priority

- US 202163159379 P 20210310
- US 202217654023 A 20220308
- US 2022071056 W 20220309

Abstract (en)

[origin: WO2022192886A1] An example device for retrieving media data includes a memory configured to store media data; and one or more processors implemented in circuitry and configured to execute a presentation engine, the presentation engine being configured to: receive streamed media data representing a virtual three-dimensional scene including at least one virtual solid object; receive object collision data representing boundaries of the at least one virtual solid object; receive camera movement data from a user requesting that the virtual camera move through the at least one virtual solid object; and using the object collision data, prevent the virtual camera from passing through the at least one virtual solid object in response to the camera movement data.

IPC 8 full level

**H04N 21/81** (2011.01); **G06T 19/00** (2011.01)

CPC (source: EP KR)

**G06T 19/003** (2013.01 - EP KR); **H04N 21/21805** (2013.01 - KR); **H04N 21/234318** (2013.01 - KR); **H04N 21/2387** (2013.01 - KR); **H04N 21/44012** (2013.01 - EP); **H04N 21/4431** (2013.01 - EP KR); **H04N 21/4728** (2013.01 - KR); **H04N 21/6587** (2013.01 - KR); **H04N 21/816** (2013.01 - EP KR); **H04N 21/85406** (2013.01 - KR); **H04N 21/8541** (2013.01 - KR)

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 2022192886 A1 20220915**; BR 112023017541 A2 20240123; EP 4305848 A1 20240117; JP 2024509524 A 20240304; KR 20230155445 A 20231110; TW 202240431 A 20221016

DOCDB simple family (application)

**US 2022071056 W 20220309**; BR 112023017541 A 20220309; EP 22713836 A 20220309; JP 2023552338 A 20220309; KR 20237030132 A 20220309; TW 111108833 A 20220310