Title (en)
IMAGE STITCHING IN A MULTI-CAMERA ARRAY

Title (de)
ANEINANDERHEFTEN VON BILDERN IN EINER ANORDNUNG AUS MEHREREN KAMERAS

Title (fr)
ASSEMBLAGE D'IMAGES DANS UN RÉSEAU MULTI-CAMÉRA

Publication
EP 3317816 A4 20190227 (EN)

Application
EP 16818386 A 20160505

Priority
- US 201514754696 A 20150630
- US 201514754695 A 20150630
- US 201514754694 A 20150630
- US 201514754697 A 20150630
- US 2016031076 W 20160505

Abstract (en)
[origin: WO2017003557A1] Images captured by multi-camera arrays with overlap regions can be stitched together using image stitching operations. An image stitching operation can be selected for use in stitching images based on a number of factors. An image stitching operation can be selected based on a view window location of a user viewing the images to be stitched together. An image stitching operation can also be selected based on a type, priority, or depth of image features located within an overlap region. Finally, an image stitching operation can be selected based on a likelihood that a particular image stitching operation will produce visible artifacts. Once a stitching operation is selected, the images corresponding to the overlap region can be stitched using the stitching operation, and the stitched image can be stored for subsequent access.

IPC 8 full level
G06T 3/40 (2006.01); **G06V 10/20** (2022.01); **H04N 5/232** (2006.01); **H04N 5/262** (2006.01)

CPC (source: EP US)
G06T 3/4038 (2013.01 - EP US); **G06V 10/20** (2022.01 - EP US); **H04N 5/2628** (2013.01 - EP); **H04N 23/698** (2023.01 - EP)

Citation (search report)
- [XI] US 2002122113 A1 20020905 - FOOTE JONATHAN T [US]
- [IA] EP 1162830 A2 20011212 - BE HERE CORP [US]
- [I] US 2003235344 A1 20031225 - KANG SING BING [US], et al
- See references of WO 2017003557A1

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 2017003557 A1 20170105; EP 3317816 A1 20180509; EP 3317816 A4 20190227

DOCDB simple family (application)
US 2016031076 W 20160505; EP 16818386 A 20160505