

Title (en)
SELF-CALIBRATED, REMOTE IMAGING AND DATA PROCESSING SYSTEM

Title (de)
SELBSTKALIBRIERENDES FERNABBILDUNGS- UND DATENVERARBEITUNGSSYSTEM

Title (fr)
SYSTÈME DE TRAITEMENT DE DONNÉES ET D'IMAGERIE DISTANT ET AUTO-CALIBRÉ

Publication
EP 2558953 A4 20140806 (EN)

Application
EP 11862219 A 20110331

Priority
• US 79889910 A 20100413
• US 2011000575 W 20110331

Abstract (en)
[origin: WO2012134419A1] An imaging sensor system comprising: a rigid mount plate affixed to a vehicle; a first rigid mount unit affixed to the mount plate and having at least two imaging sensors disposed within the first mount unit, wherein a first imaging and a second imaging sensor each has a focal axis passing through an aperture in the first mount unit and the mount plate, wherein the first and second imaging sensor each generates a first array of pixels, wherein each array of pixels is at least two dimensional, wherein the first and second imaging sensors are offset to have a first image overlap area in the target area, wherein the first sensors image data bisects the second sensors image data in the first image overlap area.

IPC 8 full level
G01C 11/02 (2006.01); **G01S 7/497** (2006.01); **G01S 17/86** (2020.01); **G06F 17/00** (2006.01); **G06T 17/05** (2011.01); **H04N 25/48** (2023.01); **G01S 17/89** (2020.01)

CPC (source: EP US)
G01C 11/02 (2013.01 - EP); **G01S 17/86** (2020.01 - EP); **G06T 17/05** (2013.01 - EP US); **H04N 23/45** (2023.01 - EP); **H04N 23/58** (2023.01 - EP); **H04N 23/698** (2023.01 - EP); **G01S 7/4972** (2013.01 - EP); **G01S 17/89** (2013.01 - EP US)

Citation (search report)
• [Y] US 2007046448 A1 20070301 - SMITHERMAN CHESTER L [US]
• [Y] DE 10341822 A1 20050929 - CLAUS ULRICH [DE]
• [A] US 2004041914 A1 20040304 - PETERS LEO J [US]
• [Y] HAGOLLE O ET AL: "How to double the spatial resolution of a push-broom instrument", GEOSCIENCE AND REMOTE SENSING SYMPOSIUM, 1994. IGARSS '94. SURFACE AND ATMOSPHERIC REMOTE SENSING: TECHNOLOGIES, DATA ANALYSIS AND INTERPRETATION., INTERNATIONAL PASADENA, CA, USA 8-12 AUG. 1994, NEW YORK, NY, USA, IEEE, US, vol. 3, 8 August 1994 (1994-08-08), pages 1553 - 1555, XP010138622, ISBN: 978-0-7803-1497-9, DOI: 10.1109/IGARSS.1994.399495
• See also references of WO 2012134419A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2012134419 A1 20121004; **WO 2012134419 A8 20121206**; CA 2796162 A1 20121004; CN 103038761 A 20130410; CN 103038761 B 20160706; EP 2558953 A1 20130220; EP 2558953 A4 20140806

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US 2011000575 W 20110331; CA 2796162 A 20110331; CN 201180029220 A 20110331; EP 11862219 A 20110331