

Title (en)
CORRECTION OF IMAGE DISTORTION IN IR IMAGING

Title (de)
KORREKTUR VON BILDVERZERRUNGEN IN DER IR-BILDGEBUNG

Title (fr)
CORRECTION DE DISTORSION D'IMAGE EN IMAGERIE IR

Publication
EP 2873229 A1 20150520 (EN)

Application
EP 13739655 A 20130716

Priority
• US 201261672153 P 20120716
• EP 2013065035 W 20130716

Abstract (en)
[origin: WO2014012946A1] There is disclosed a method, arrangement and computer program product for correcting distortion present in an image captured using an infrared (IR) arrangement, the method for an embodiment comprising: capturing a first image using a first imaging system comprised in said IR arrangement; and correcting image distortion of the first image based on a pre-determined distortion relationship. According to embodiments, the method may further comprise capturing a second image using a second imaging system comprised in said IR arrangement, wherein: said distortion relationship represents distortion caused by said first and/or second imaging systems of said IR arrangement; and said correcting of image distortion of the first image comprises correcting image distortion with relation to the second image based on said pre-determined distortion relationship, wherein the distortion relationship represents distortion caused by said first and/or second imaging systems.

IPC 8 full level
H04N 5/33 (2006.01)

CPC (source: EP)
G06T 5/80 (2024.01); **H04N 23/11** (2023.01); **G01J 2005/0077** (2013.01); **G06T 2207/10048** (2013.01); **G06T 2207/20221** (2013.01)

Citation (examination)
• WO 0182593 A1 20011101 - US GOV SEC NAVY [US]
• AMOLINS ET AL: "Wavelet based image fusion techniques - An introduction, review and comparison", ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING, AMSTERDAM [U.A.] : ELSEVIER, AMSTERDAM, NL, vol. 62, no. 4, 1 September 2007 (2007-09-01), pages 249 - 263, XP022226474, ISSN: 0924-2716, DOI: 10.1016/J.ISPRSJPRS.2007.05.009
• See also references of WO 2014012946A1

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

DOCDB simple family (publication)
WO 2014012946 A1 20140123; CN 104662891 A 20150527; EP 2873229 A1 20150520

DOCDB simple family (application)
EP 2013065035 W 20130716; CN 201380038189 A 20130716; EP 13739655 A 20130716