

Title (en)

DETERMINATION OF AN ABSOLUTE RADIOMETRIC VALUE USING BLOCKED INFRARED SENSORS

Title (de)

BESTIMMUNG EINES ABSOLUTEN RADIOMETRISCHEN WERTES MITTELS BLOCKIERTER INFRAROTSENSOREN

Title (fr)

DÉTERMINATION D'UNE VALEUR RADIOMÉTRIQUE ABSOLUE À L'AIDE DE CAPTEURS INFRAROUGES BLOQUÉS

Publication

EP 2764685 A1 20140813 (EN)

Application

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- US 2012049051 W 20120731

Abstract (en)

[origin: WO2013052196A1] Various techniques are provided for using one or more shielded (e.g., blinded, blocked, and/or obscured) infrared sensors of a thermal imaging device. In one example, a method includes capturing a signal from a shielded infrared sensor that is substantially blocked from receiving infrared radiation from a scene. The method also includes capturing a signal from an unshielded infrared sensor configured to receive the infrared radiation from the scene. The method also includes determining an average thermographic offset reference for the shielded and unshielded infrared sensors based on the captured signal of the shielded infrared sensor. The method also includes determining an absolute radiometric value for the scene based on the average thermographic offset reference and the captured signal of the unshielded infrared sensor.

IPC 8 full level

H04N 5/33 (2006.01)

CPC (source: EP)

H04N 23/20 (2023.01)

Citation (examination)

- US 2009194696 A1 20090806 - MIZRAHI UDI [IL], et al
- US 6583416 B1 20030624 - VILLANI THOMAS STEPHEN [US]
- US 7235773 B1 20070626 - NEWMAN JOHN W [US]
- See also references of WO 2013052196A1

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