

Title (en)
METHOD OF ESTIMATING THE SPEED OF DISPLACEMENT OF A CAMERA

Title (de)
VERFAHREN ZUR SCHÄTZUNG DER GESCHWINDIGKEIT DER VERSCHIEBUNG EINER KAMERA

Title (fr)
PROCEDE D'ESTIMATION DE LA VITESSE DE DEPLACEMENT D'UNE CAMERA

Publication
EP 3072109 A1 20160928 (FR)

Application
EP 14800025 A 20141117

Priority
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Abstract (en)
[origin: WO2015071458A1] This method comprises the estimation of the speed X_vR of displacement of a camera by searching for the speed X_vR which minimizes a discrepancy directly between: - a first value of a physical quantity at the level of a first point (p^*) of a reference image, and - a second value of the same physical quantity at the level of a second point ($pw2$) of a current image, the first value of the physical quantity at the level of the first point (p^*) of the reference image being constructed: - by selecting neighbour points of the first point (p^*) as a function of the speed X_vR and of a time t_e equal to the exposure time of the first camera, then - by averaging the values of the physical quantity at the level of the neighbour points selected and of the first point in such a way as to generate a new value of the physical quantity at the level of the first point.

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Citation (search report)
See references of WO 2015071458A1

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