

Title (en)  
MOVING OBJECT DETECTION IN VIDEOS

Title (de)  
BEWEGTOBJEKTDETEKTION IN VIDEOS

Title (fr)  
DÉTECTION D'OBJETS MOBILES DANS DES VIDÉOS

Publication  
**EP 3241185 A4 20180725 (EN)**

Application  
**EP 14909406 A 20141230**

Priority  
CN 2014095643 W 20141230

Abstract (en)  
[origin: WO2016106595A1] The present disclosure relates to moving object detection in videos. In one embodiment, a plurality of frames in a video are transformed to a high dimensional image space in a non-linear way. Then the background of the plurality of frames can be modeled in the high dimensional image space. The foreground or moving object can be detected in the plurality of frames based on the modeling of the background in the high dimensional image space. By use of the non-linear model which is more powerful for describing complex factors such as changing background, changing background, illumination variation, camera motion, noise and the like, embodiments of the present invention is more robust and accurate to detect moving objects under the complex situations.

IPC 8 full level  
**G06T 7/194** (2017.01); **G06T 7/20** (2017.01); **G06T 7/215** (2017.01); **G06T 7/262** (2017.01)

CPC (source: EP)  
**G06T 7/194** (2016.12); **G06T 7/215** (2016.12); **G06T 7/262** (2016.12); **G06T 2207/20076** (2013.01); **G06T 2207/30232** (2013.01); **G06T 2207/30241** (2013.01)

Citation (search report)  
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• [Y] HAMIDREZA BARADARAN KASHANI: "BACKGROUND ESTIMATION IN KERNEL SPACE", INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE (IJPRAI), WORLD SCIENTIFIC PUBLISHING, SI, vol. 25, no. 1, 1 February 2011 (2011-02-01), pages 1 - 35, XP001560308, ISSN: 0218-0014, DOI: 10.1142/S0218001411008464  
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CN109859302A

Designated contracting state (EPC)  
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