

Title (en)  
METHOD FOR ESTIMATING MOTION USING DEFORMABLE MESHES

Title (de)  
VERFAHREN ZUR BEWEGUNGSSCHÄTZUNG MITHILFE VON VERFORMBAREN NETZEN

Title (fr)  
PROCEDE D'ESTIMATION DE MOUVEMENT A L'AIDE DE MAILLAGES DEFORMABLES

Publication  
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Application  
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Abstract (en)  
[origin: WO2006030103A1] The invention concerns a method which consists in analyzing a field of motion of images, estimated by using a first mesh, to detect a faulty area in the first mesh, and in locating a rupture line in said area; then generating a second mesh including a faultless part consisting of meshes of the first mesh outside the faulty area and two sub-meshes which overlap in a region including the rupture line. Each of the two sub-meshes includes respective meshes delimited by nodes including nodes shared with the faultless part, located at the boundary of the faulty area, and additional nodes not belonging to the faultless part, the rupture line being located between the respective nodes of the two sub-meshes shared with the faultless part. Said second mesh is used to finally estimate the field of motion in the group of images concerned.

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