

Title (en)

MODELING THE THREE-DIMENSIONAL SHAPE OF AN OBJECT BY SHADING OF A TWO-DIMENSIONAL IMAGE

Title (de)

MODELLIERUNG DER DREIDIMENSIONALEN FORM EINES OBJEKTS DURCH ABLEITUNG AUS EINEM ZWEIDIMENSIONALEN BILD

Title (fr)

MODELISATION DE LA FORME TRIDIMENSIONNELLE D'UN OBJET PAR OMBRAGE D'UNE IMAGE BIDIMENSIONNELLE

Publication

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Application

EP 06849019 A 20061220

Priority

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Abstract (en)

[origin: WO2007079361A2] Computer graphics methods, systems, devices, arrangements and software products graphics method for generating a geometrical model representing geometry of at least a portion of a surface of a three-dimensional (3D) object by shading by an operator in connection with a two-dimensional (2D) image of the object, the image representing the object as projected onto an image plane, comprise: A) receiving shading information provided by the operator in connection with the image of the object, the shading information representing a change in brightness level of at least a portion of the image; B) generating, in response to the shading information, an updated geometrical model of the object, the shading information being used to determine at least one geometrical feature of the updated geometrical model; C) displaying the image of the object as defined by the updated geometrical model; and D) wherein the method can operate upon a digital input of any hierarchical subdivision surface, polygon mesh or NURBS surface.

IPC 8 full level

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See references of WO 2007079361A2

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