

Title (en)

METHOD FOR PRODUCING TECHNICAL DRAWINGS FROM 3D MODELS USING AT LEAST TWO COLLIDING 3D BODIES

Title (de)

VERFAHREN ZUR ABLEITUNG VON TECHNISCHEN ZEICHNUNGEN AUS 3D MODELLEN MIT MINDESTENS ZWEI KOLLIDIERENDEN 3D KÖRPERN

Title (fr)

PROCEDE POUR REALISER DES DESSINS TECHNIQUES A PARTIR DE MODELES TRIDIMENSIONNELS COMPORTANT AU MOINS DEUX ELEMENTS TRIDIMENSIONNELS EN COLLISION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006061185A1] The invention relates to a method and a computer-aided modelling system for creating a technical drawing from at least two modelled 3D bodies that collide with one another. In a first step, one or more of the regions of the 3D bodies that are affected by the collision are selected. In a second step, a group of colliding faces of the selected regions of the two or more 3D bodies are combined to form a respective collision group and a technical drawing of the two or more colliding modelled 3D bodies is produced. A 2D edge or its associated boundary of a face that belongs to a collision group is treated by masking the other faces that are associated with the same collision group.

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