

Title (en)
FUNDAMENTAL ENTITY-RELATIONSHIP MODELS FOR THE GENERIC AUDIO VISUAL DATA SIGNAL DESCRIPTION

Title (de)
FUNDAMENTALE EINHEITS-BEZIEHUNGS-MODELLE FÜR BESCHREIBUNG VON ALLGEMEINEN AUDIOVISUELLEN DATENSIGNALEN

Title (fr)
MODELES FONDAMENTAUX DE RAPPORTS ENTRE ENTITES SERVANT A DECRIRE UN SIGNAL DE DONNEES AUDIOVISUEL
GENERIQUE

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Abstract (en)
[origin: WO0103008A1] Systems and methods for generating standard description records from multimedia information are provided. The invention utilizes fundamental entity-relation models for the Generic AV DS that classify the entities, the entity attributes, and the relationships in relevant types describing visual data. It involves classification of entity attributes into syntactic and semantic attributes. Syntactic attributes can be categorized into different levels: type/technique, global distribution, local structure, and global composition. Semantic attributes can be categorized into different levels: generic object, generic scene, specific object, specific scene, abstract object, and abstract scene. The invention further utilizes classification of entity relationships into syntactic and semantic categories. Syntactic relationships can be categorized into spatial, temporal, and visual categories. Semantic relationships can be categorized into lexical and predicative categories.

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