



Wipo Publishes Patent of Quan Wang, Dijia Wu, Meizhu Liu, le Lu, Kevin Shaohua Zhou and Siemens Product Lifecycle Management Software for "Automatic Spatial Context Based Multi-Object Segmentation in 3d Images" (American Inventors)



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Title of the invention: "AUTOMATIC SPATIAL CONTEXT BASED MULTI-OBJECT SEGMENTATION IN 3D IMAGES."

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According to the abstract* posted by the World Intellectual Property Organization: "Methods and systems for automatic classification of images of internal structures of human and animal bodies. A method includes receiving (405) a magnetic resonance (MR) image testing model and determining a testing volume of the testing model that includes areas of the testing model to be classified as bone or cartilage. The method includes modifying the testing model so that the testing volume corresponds to a mean shape and a shape variation space of an active shape model and producing an initial classification of the testing volume by fitting the testing volume to the mean shape and the shape variation space. The method includes producing (425) a refined classification of the testing volume into bone areas and cartilage areas by refining the boundaries of the testing volume with respect to the active shape model and segmenting the MR image testing model into different areas corresponding to bone

areas and cartilage areas"

The patent was filed on Dec. 6, 2013 under Application No. PCT/US2013/073614.

*For further information, including images, charts and tables, please visit:

<http://www.wipo.int/patentscope/search/en/detail.jsf?docId=WO2014089455>

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