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(12) **United States Patent**  
**Sakezles**

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(54) **METHOD OF MAKING TISSUE  
SIMULATING ANALOG MATERIALS AND  
MODELS MADE FROM SAME**

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(\* ) Notice: Subject to any disclaimer, the term of this  
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(65) **Prior Publication Data**

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(51) **Int. Cl.**  
**G06F 11/00** (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.** ..... **714/742**; 434/262

(58) **Field of Classification Search** ..... 424/1.73;  
426/104; 378/18; 434/267, 262; 703/2;  
606/34, 42; 714/742

Disclosed herein are synthetic anatomical models, and meth-  
ods of making and using same, that are designed to enable  
simulated use testing by medical device companies, medical  
device designers, individual inventors, or any other entity  
interested in the performance of medical devices. These  
models are unique in possessing a level of complexity that  
allows them to be substituted for either a live animal, an  
animal cadaver, or a human cadaver in the testing of these  
devices. These models are further characterized by a simi-  
larity of geometry, individual component physical charac-  
teristics, and component-to-component interfacial properties  
with the appropriate target tissue and anatomy.

See application file for complete search history.

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**31 Claims, No Drawings**