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(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 20 Biopolis Way, #07-01 Centros, Singapore 138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LIU, Jimin** [CN/SG]; Blk 280, #06-125 Toh Guan Road, Singapore 600280 (SG). **HUANG, Su** [SG/SG]; Blk 307, 32 Jurong East Street, #10-224, Singapore 600307 (SG). **FUNG, Jenice** [GB/SG]; Blk 77, #06-523 Commonwealth Drive, Singapore 140077 (SG). **NOWINSKI, Wieslaw Lucjan** [PL/SG]; 111 Clementi Road, #10-06 NUS Kent Vale, Blk C, Singapore 129792 (SG).

(74) Agent: **ELLA CHEONG SPRUSON & FERGUSON (SINGAPORE) PTE LTD**; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).

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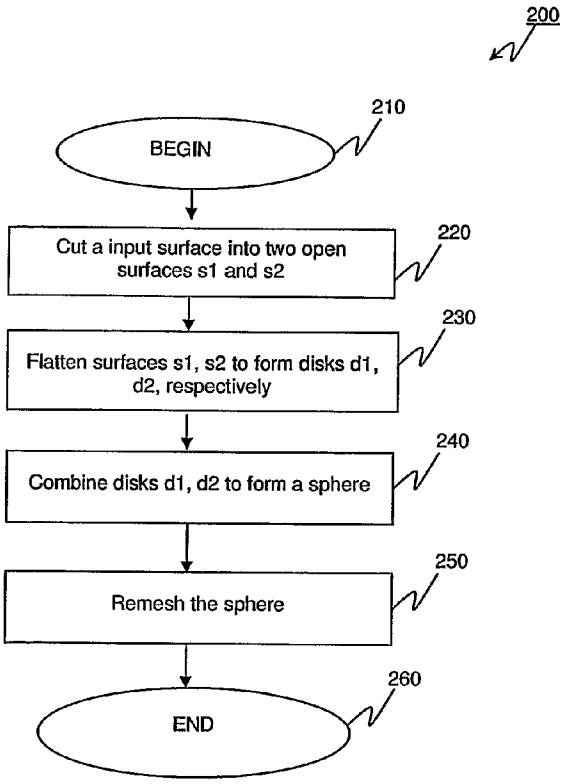
(54) Title: A SURFACE PARAMETERIZATION METHOD



(57) Abstract: A method (200) for performing surface parameterization using a divide and conquer strategy is disclosed herein. In one embodiment, a surface is divided into two arbitrary parts (220). Each divided part is separately flattened into a triangular region in parameter space to form first and second disks, respectively (230). The method then combines the first and second disks to form a sphere (240). The final step remeshes the sphere with a predetermined resolution to provide a multi resolution structured surface model for said surface (250).

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