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(74) Agent: **SCHIWECK, Wolfram**; Viering, Jentschura & Partner, P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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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): **RAMADAS, Senthil Kumar** [SG/SG]; c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602 (SG). **CHUA, Soo Jin** [MY/SG]; c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602 (SG).

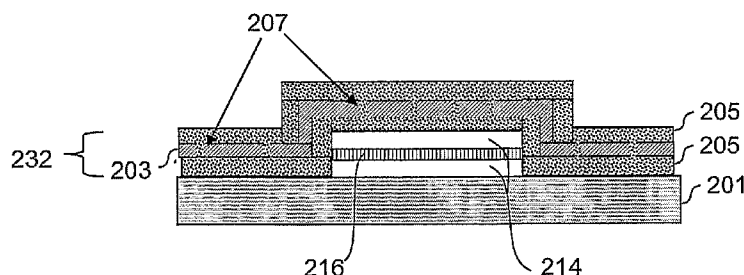
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(54) Title: NANOPARTICULATE ENCAPSULATION BARRIER STACK



(57) Abstract: A barrier stack for encapsulating a moisture and/or oxygen sensitive electronic device is provided. The barrier stack comprises a multilayer film having at least one barrier layer having low moisture and/or oxygen permeability, and at least one sealing layer arranged to be in contact with a surface of the barrier layer, wherein the sealing material comprises reactive nanoparticles capable of interacting with moisture and/or oxygen, thereby retarding the permeation of moisture and/or oxygen through defects present in the barrier layer.

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