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(71) Applicant (for all designated States except US): **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way #20-10, Connexis, Singapore 138632 (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).

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

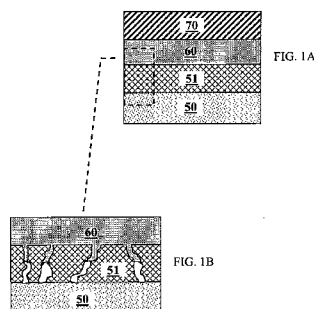
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(54) Title: MULTILAYER BARRIER FILM



(57) Abstract: The present invention refers to a multilayer barrier film comprising a substrate layer coated with a barrier layer, wherein the barrier layer is made of a material selected from the group consisting of a metal oxide, a metal carbide, a metal nitride and a metal oxynitride; a nanostructured metal compound layer arranged on the barrier layer; and a planarising layer arranged on the nanostructured layer, wherein the planarising layer comprises a nanostructured material which is distributed in a polymeric binder, wherein the nanostructured material is made of carbon, or a metal or a metal oxide or a mixture of the aforementioned substances. The present invention also refers to a method of obtaining those multilayer barrier films.