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(54) **MULTI-SITE MODIFIED SP1 POLYPEPTIDES AND USES THEREOF**

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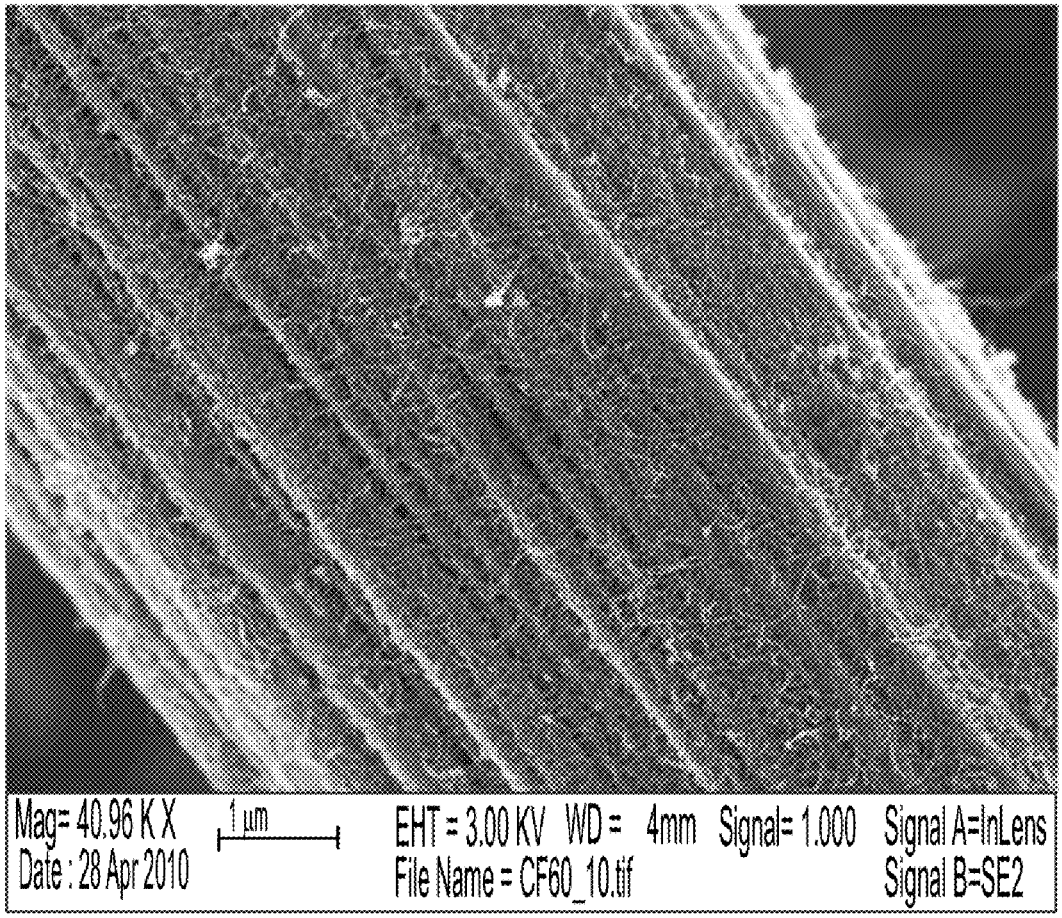
(57) **ABSTRACT**

The present invention, in some embodiments thereof, relates to material science in general, and, more particularly, to sequence variants of Stable Protein 1 (SP1), to uses thereof, for binding of carbon nanotubes, production of composite polymers and polymer materials, such as fabrics, based on SP1-polypeptide-carbon nanotube-complexes, and the use thereof for enhancing conductivity in tire.