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(54) Title: POLYMER COMPOSITION BASED ON POLY(METH)ACRYLIMIDE FOR TRIBOLOGICAL APPLICATIONS

(57) Abstract: The present invention relates to polymer compositions based on imidated polyalkyl (meth)acrylate, especially imidated polymethyl methacrylate, wherein the polymer composition comprises a polymer matrix A and at least one tribological additive B, especially selected from organic or inorganic solid hardening particles. The inventive polymer compositions and formed articles made thereof exhibit low friction coefficient and high wear resistance even at elevated temperatures and can advantageously be used in tribological application, in replacement of high-performance materials, such as polyether ether ketone (PEEK).



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