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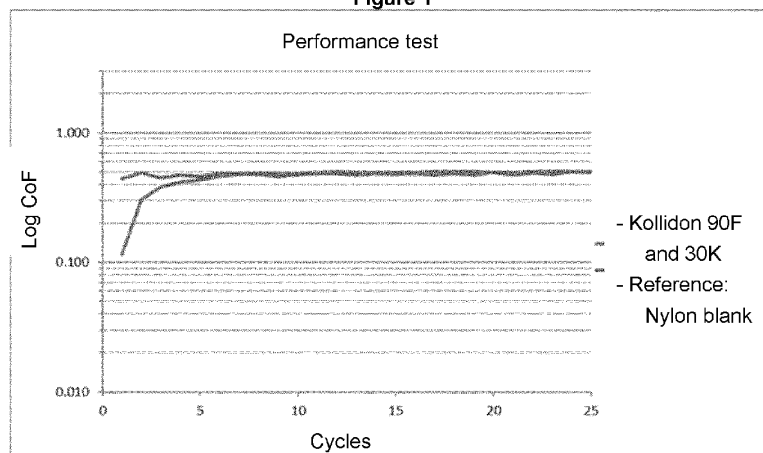
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(54) Title: COPOLYMERS OF N-VINYLPYRROLIDONE WITH FUNCTIONALIZED MALEIC ACID MOIETIES

Figure 1



(57) Abstract: The present invention relates to vinylpyrrolidone copolymers composed of blocks of N-vinylpyrrolidone moieties divided by maleic acid moieties, wherein each maleic acid moiety has as functional groups one carboxy group (-COO-) and one carbamoyl group (-CONH-), or two carboxy groups (-COO-), or two carbamoyl groups (-CONH-), and 1% to 50% of the functional groups of all maleic acid moieties in the vinylpyrrolidone copolymer are functionalized with a benzophenone substituent (BP) via a C₁-C₅ alkyl linker. The vinylpyrrolidone copolymers of the present invention are particularly suitable for use in coatings for medical devices and/or medical aids. The present invention therefore also relates to compositions comprising vinylpyrrolidone copolymers and optionally a crosslinker, as well as medical devices having a coating with crosslinked vinylpyrrolidone copolymers and optionally with a crosslinker.

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