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**(71) Applicant(s):**

3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US) (for all designated states except US)

**(72) Inventor(s):**

MAZUREK, Mieczyslaw H.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

GALKIEWICZ, Robert K.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

SHERMAN, Audrey A.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

STARKEY, James R.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

WINKLER, Wendi J.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

ZHANG, Haiyan; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

OLOFSON, Jeffrey M.; 3M Center Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

**(74) Agent(s):**

GALLO, Elizabeth A.,; 3M Center Office of Intellectual Property Counsel Post Office Box 33427 Saint Paul, Minnesota 55133-3427 (US)

**(54) Title (EN):** SHAPE MEMORY POLYMER ARTICLES WITH A MICROSTRUCTURED SURFACE

**(54) Title (FR):** ARTICLES POLYMÈRES À MÉMOIRE DE FORME PRÉSENTANT UNE SURFACE MICROSTRUCTURÉE

**(57) Abstract:**

**(EN):** A shape memory polymer article is disclosed. The article may include a surface having a microstructure and it may include a shape memory polymer. The shape memory polymer may include a copolymer network. The copolymer network may be formed from the reaction product of a free radically polymerizable siloxane having greater than one functional free radically polymerizable group and at least one (meth)acrylate monomer.

**(FR):** La présente invention porte sur un article polymère à mémoire de forme. L'article peut inclure une surface comportant une microstructure ainsi qu'un polymère à mémoire de forme. Le polymère à mémoire de forme peut inclure un réseau copolymère. Le réseau copolymère peut être formé à partir du produit de réaction d'un siloxane polymérisable par voie radicalaire comportant plus d'un groupement fonctionnel polymérisable par voie radicalaire et d'un ou de plusieurs monomères acrylate ou méthacrylate.

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**Declarations:**

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))