

Title (en)

POLYMER OR POLYMER NETWORK, METHOD FOR ADJUSTING ITS TRIGGER POINT AND USE THEREOF

Title (de)

POLYMER ODER POLYMERNETZWERK, VERFAHREN ZUM EINSTELLEN SEINES TRIGGERPUNKTES UND SEINE VERWENDUNG

Title (fr)

POLYMÈRE OU RÉSEAU POLYMÈRE, PROCÉDÉ DE RÉGLAGE SON POINT D'ACTIVATION ET SON UTILISATION

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Application

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Abstract (en)

[origin: WO2011003832A1] The invention relates to a polymer or polymer network (32) comprising crystals in a stressed, dimensionally-stable state, wherein the crystals in the stressed, dimensionally-stable state can tear under the effect of an external cause upon reaching a collaboration threshold, wherein the collaboration threshold can be freely set within a definable range and the crystals present in the stressed, dimensionally-stable state dissolve upon tearing, and the polymer or polymer network (32) cools off during relaxing from the dimensionally-stable, strained state into the unstrained state, that is, below the ambient temperature, and the programming, i.e. the transition of the polymer or polymer network into the stressed, dimensionally-stable state, is possible at room temperature.

IPC 8 full level

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