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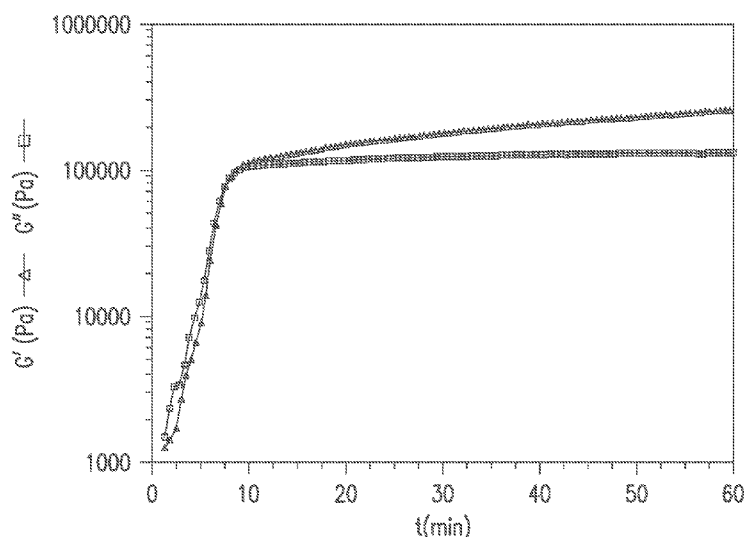
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

- (54) **Title:** CROSS-LINKED ORGANIC POLYMERS FOR USE AS ELASTOMERS

**FIG. 7**

- (57) **Abstract:** Methods are disclosed to prepare elastomeric materials by providing aromatic polymer(s) which is/are non-elastomeric at room temperature; cross-linking the aromatic polymer using a cross-linking compound to form a cross-linked aromatic polymer which is substantially cured; and heating the cross-linked aromatic polymer to a temperature at or above a glass transition temperature of the cross-linked aromatic polymer. Materials formed thereby and end products are also described which may be formed using the aromatic polymer cross-linking techniques to develop strong elastomeric materials for high temperature and/or harsh condition end applications.



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