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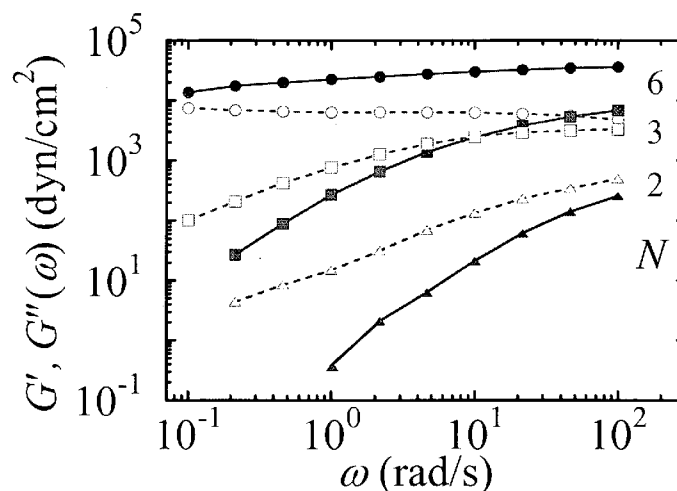
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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

[Continued on next page]

(54) Title: ELASTIC VITRIFICATION OF EMULSIONS BY DROPLET RUPTURING

Figure 1



(57) Abstract: A method of producing an elastic material including providing a viscous material having an initial material composition thereof, the viscous material being a multiphase dispersion comprising a plurality of discrete elements of a first component dispersed within a continuous fluid phase of a second component; and applying stress to the plurality of discrete elements of the first component to break up the plurality of discrete elements into a second plurality of discrete elements having a greater number of discrete elements than the first plurality of discrete elements. The discrete elements of the second plurality of discrete elements have at least one of a composition or a surface layer that provides at least a repulsion between adjacent discrete elements to prevent the discrete elements from irreversibly coalescing or irreversibly re-uniting, the viscous material thus irreversibly becoming an elastic material having a same material composition as the initial material composition.

WO 2008/088918 A1



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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) — before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
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