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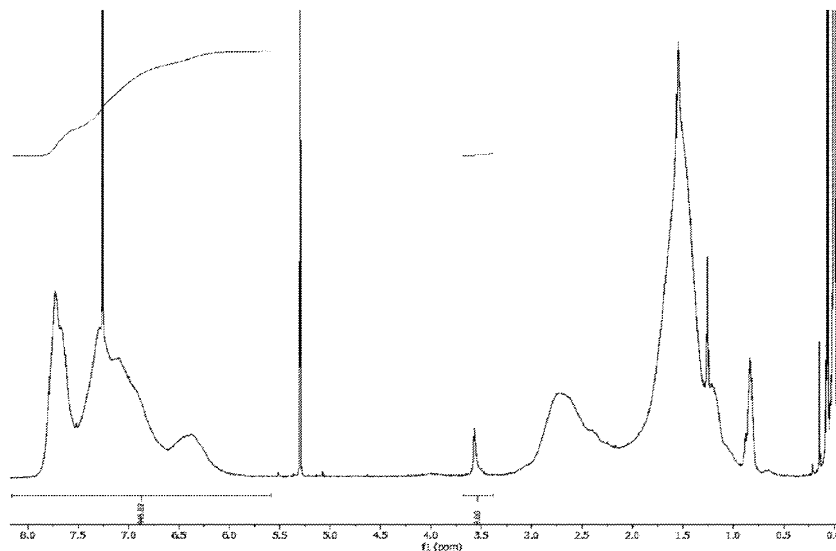
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(54) Title: MODIFIED BROMINATED POLYSTYRENES AS COMPATIBLE FLAME RETARDANTS FOR POLYMERIC COMPOSITIONS

FIG. 1



(57) Abstract: In one aspect, the disclosure relates to flame-retardant compositions including a brominated polystyrene reacted with a first portion of a second polymer and, optionally, at least a second portion of the second polymer that is not separately pre-mixed with the brominated polystyrene. In some aspects, the first portion and the second portion of the second polymer can be selected from a polyamide, a polyolefin, a polyester, a styrenic polymer or copolymer, or any combination thereof. In any of these aspects, the flame-retardant compositions of the present disclosure are well-mixed and have excellent properties and can optionally include crosslinks for added mechanical strength. Also disclosed herein are methods for making the compositions and articles including the compositions.

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