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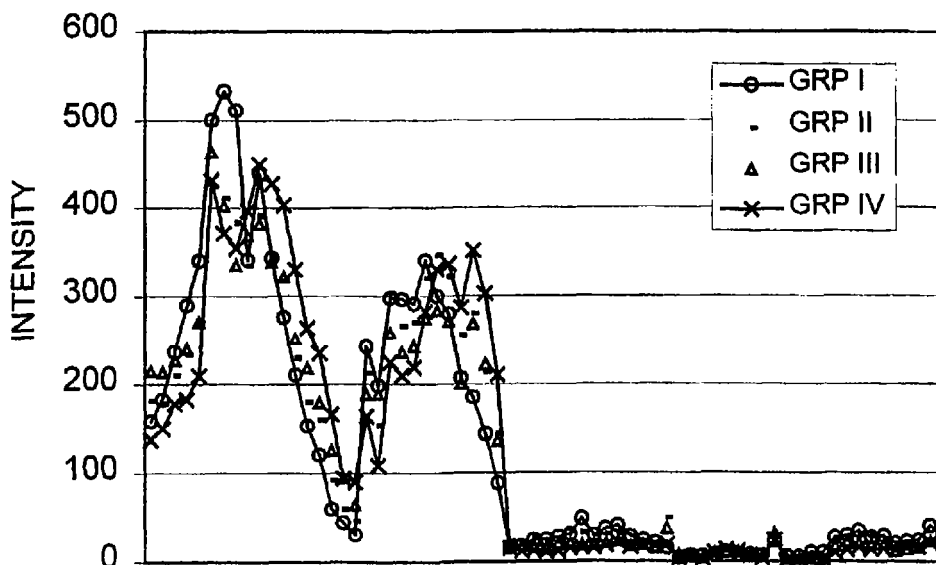
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(54) Title: **MASS SPECTROMETRIC MULTIVARIATE ANALYSIS OF ASPHALTS**

COMPOSITION DIFFERENCES BETWEEN GROUP I AND GROUP IV ASPHALTS



162162



(57) Abstract: This invention relates to the selection of a crude oil or crude oil blend for the production of high-performing paving asphalt based on molecular composition of the asphalt and of the parent crude oil blend based, at least in part, on high resolution mass spectrometric measurements (Figure 1) and relationships to rheological properties.

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