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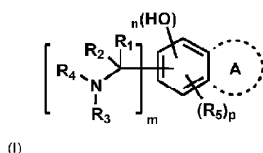
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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) **Title:** COMPOSITIONS FOR MITIGATING LOW SPEED PRE-IGNITION EVENTS



(57) **Abstract:** Fuel composition for preventing or reducing low speed pre-ignition events in a spark-ignited internal combustion engine is provided. The fuel composition includes a hydrocarbon fuel boiling the gasoline or diesel range and a primary additive having a structure given by (I) or a salt thereof. A is a ring moiety; R₁ and R₂ are independently H, C₁-C₂₀ hydrocarbyl group, carboxyl group, ether, or hydroxyl group. R₃ and R₄ are independently H, C₁-C₂₀ hydrocarbyl group, carboxyl group, ether, amino, or hydroxyl group or wherein R₃ and R₄ are part of a cyclic group. R₅ is C₁-C₁₀₀ hydrocarbyl group, carboxyl group, ether, or hydroxyl group; and p is 0 to 2, n is 1 to 3, m is 1 to 3, and p+n+m is less than 5.