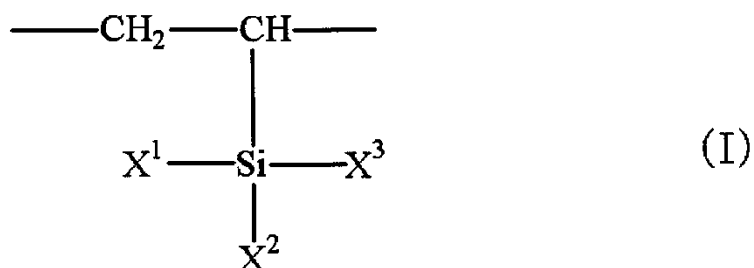


ABSTRACT

CONJUGATED DIENE POLYMER, PROCESS FOR PRODUCING SAME, AND CONJUGATED DIENE POLYMER COMPOSITION AND VULCANIZATE

A conjugated diene polymer is provided that includes a conjugated diene-based constituent unit and a constituent unit represented by Formula (I) below, the constituent unit represented by Formula (I) being present between a conjugated diene-based constituent unit and a conjugated diene-based constituent unit, and the content of the constituent unit represented by Formula (I) being 1 unit or 2 units per polymer chain.



(In the formula, X¹, X², and X³ independently denote a group represented by Formula (II) below, a hydroxy group, a hydrocarbyl group, or a substituted hydrocarbyl group, and at least one of X¹, X², and X³ is a group represented by Formula (II) below or a hydroxy group.)



(In the formula, R¹ and R² independently denote a hydrocarbyl group having 1 to 6 carbons, a substituted hydrocarbyl group having 1 to 6 carbons, a silyl group, or a substituted silyl group, and R¹ and R² may be bonded so as to form, together with the N atom, a ring structure.) There are also provided a conjugated diene polymer composition formed by combining the conjugated diene polymer and a filler, a vulcanizate formed by vulcanizing the conjugated diene polymer composition, and a process for producing the conjugated diene polymer.