CLAIMS

What is claimed is

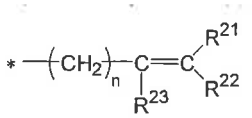
1. Conjugated diene polymer comprising a constitutional unit based on a conjugated diene and a constitutional unit based on a compound represented by Formula (1) below:

$$R^1Si(-R^2-A)_mR^3_{3-m} \qquad (1)$$

wherein m represents an integer of 1 to 3; R^1 represents a hydrocarbyl group having a polymerizable carbon - carbon double bond; R^2 represents a hydrocarbylene group, and, when there are plural R^2s, R^2s each may be the same or different; A represents a substituted amino group, and, when there are plural A's, A's each may be the same or different; R^3 represents a hydrocarbyl group, a substituted hydrocarbyl group or a substituted amino group, and, when there are plural R^3s, R^3s each may be the same or different, and

wherein the conjugated diene polymer is one produced by polymerizing monomers containing the conjugated diene and the compound represented by Formula (1) in the presence of an alkali metal catalyst in a hydrocarbon solvent.

2. The conjugated diene polymer according to claim 1, wherein m = 1, R^1 is a group represented by Formula (2) below, R^2 is an alkylene group, and R^3 is an alkyl group:



(2)

wherein n represents an integer of 0 to 2, R^{21}, R^{22} and R^{23} each independently represents a hydrogen atom or a hydrocarbyl group and * represents a bonding position.

3. The conjugated diene polymer according to claim 2, wherein R^{21}, R^{22} and R^{23} are hydrogen atoms, and n = 0.

4. The conjugated diene polymer according to any of claims 1 to 3, wherein the molecular distribution represented by the ratio of a weight average molecular weight (Mw) and a number average molecular weight (Mn) (Mw/Mn) is 1 to 3.

5. The conjugated diene polymer according to any of claims 1 to 4, wherein the vinyl bond amount of the conjugated diene polymer is from not less than 20% by mole and not more than 70% by mole relative to 100% by mole of the content of the constitutional unit based on the conjugated diene.

6. A conjugated diene polymer composition comprising the conjugated diene polymer described in any of claims 1 to 5 and a reinforcing agent, wherein the content of the