

[Document Name] Abstract

PRODUCTION METHOD FOR BRANCHED CONJUGATED DIENE-BASED
POLYMER, RUBBER COMPOSITION, PRODUCTION METHOD FOR RUBBER
COMPOSITION, AND PRODUCTION METHOD FOR TIRE

[Abstract]

[Problem to be Solved] The present invention provides
a production method for a branched conjugated diene-based
polymer excellent in low fuel consumption performance,
abrasion resistance, wet skid resistance, and fracture
strength.

[Solution]

A production method for a branched conjugated diene-
based polymer, comprising:

a polymerizing step of obtaining a conjugated diene-
based polymer having an active end by polymerizing or
copolymerizing a conjugated diene compound, or a
conjugated diene compound and an aromatic vinyl compound
with an alkali metal compound or an alkaline earth metal
compound used as a polymerization initiator; and

a branching step of introducing a branch structure
by reacting a styrene derivative as a branching agent
with the active end of the conjugated diene-based
polymer.

[Selected Drawing] None

[No Figure]