

PRODUCTION METHOD OF OLEFIN (CO)POLYMER CONTAINING CONSTITUENT
UNIT DERIVED FROM 1-BUTENE

ABSTRACT

The purpose of the present invention is to provide a method
5 for efficiently producing an olefin (co)polymer containing a
constituent unit derived from 1-butene, the (co)polymer having
a molecular weight that is sufficiently high even for high
temperature conditions that are beneficial for industrial
production methods. This purpose can be achieved by means of a
10 method for producing an olefin (co)polymer containing a
constituent unit derived from 1-butene, wherein at least 1-butene
and, if necessary, an α -olefin having 2 or more carbon atoms
(excluding 1-butene) and other monomers are (co)polymerized in
the presence of an olefin polymerization catalyst that contains
15 (A) a crosslinked metallocene compound represented by general
formula [I] and (B) at least one type of compound selected from
among (b-1) an organic aluminum oxy compound, (b-2) a compound
that forms an ion pair upon a reaction with the crosslinked
metallocene compound (A), and (b-3) an organic aluminum compound,
20 at a polymerization temperature of 55–200°C and a polymerization
pressure of 0.1–5.0 MPaG.

[FIG.1]