

ABSTRACT

METHOD FOR MANUFACTURING GRAFT POLYMER, GRAFT POLYMER, AND INITIATOR OF GRAFT POLYMER

[Abstract]

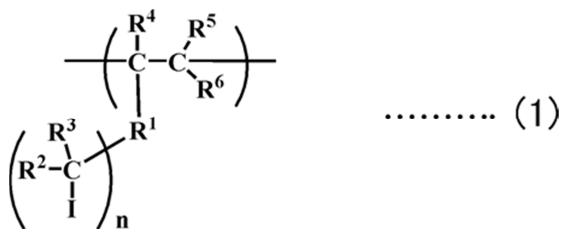
[Problem]

There is provided a method for manufacturing a graft polymer that ensures more stable progress of a living radical polymerization by using a monomer structural unit containing an iodine initiating group as an initiator.

[Solution]

The method for manufacturing the graft polymer includes performing a living radical polymerization of a compound with a vinyl monomer by an organic catalyst to manufacture the graft polymer, the compound having a recurring unit represented by a formula (1) below in a main chain.

[Chem. 14]



Here, R¹: a linking group (linear, branched, or cyclic alkylene group having 1 to 30 carbon atoms that may contain an ether bond, an amide bond, or an ester bond, an aromatic group)

R², R³, R⁴, R⁵, R⁶: a hydrogen atom, an aromatic group, an aliphatic group

n = 1 to 5

[Selected Drawing] None