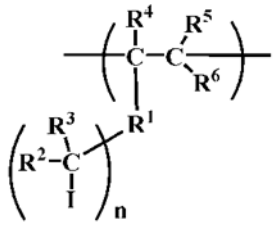
CLAIMS

1. A method for manufacturing a graft polymer comprising

performing a living radical polymerization of a vinyl monomer by a compound and an organic catalyst selected from phosphonium salts, phosphazenium salts, ammonium salts, and sulfonium salts to manufacture the graft polymer, the compound having a recurring unit represented by a formula (1) below in a main chain.

Chem. 11



..... (1)

where n = 1,

$R^1$ is: -COO-$(CH_2)_a$-OCO-,

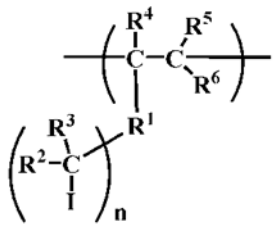
$R^2$, $R^3$ are: an aromatic group, an aliphatic group,

$R^4$, $R^5$, $R^6$ are: a hydrogen atom, an aliphatic group,

and a = 2 to 5.

2. An initiator of a graft polymer used as an initiator for a living radical polymerization with a vinyl monomer by an organic catalyst selected from phosphonium salts, phosphazenium salts, ammonium salts, and sulfonium salts, the initiator of the graft polymer having a recurring unit represented by a formula (1) below in a main chain.

Chem. 13



..... (1)

where n = 1,

$R^1$ is: -COO-$(CH_2)_a$-OCO-,

$R^2$, $R^3$, $R^4$, $R^5$, $R^6$ are: a hydrogen atom, an aromatic group, an aliphatic group, and a = 2 to 5.