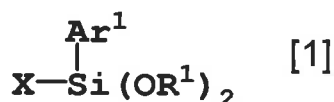


ABSTRACT

REACTIVE POLYSILOXANE AND POLYMERIZABLE COMPOSITION
COMPRISING SAME

There is provided a polymerizable composition that yields a cured product
 5 exhibiting a low Abbe number and is suitable for preparing a molded article having
 higher transparency. A polymerizable composition comprising 100 parts by mass of (a) a
 reactive polysiloxane being a polycondensation product of an alkoxy silicon compound
 comprising at least an alkoxy silicon compound A of formula [1], and 10 to 500 parts by
 mass of (b) a polymerizable compound having at least one polymerizable double bond: a
 10 cured product of the polymerizable composition; and a method for producing a molded
 article using the polymerizable composition.



(wherein X is a phenyl group having at least one substituent having a polymerizable
 double bond, a naphthyl group having at least one substituent having a polymerizable
 15 double bond, a biphenyl group having at least one substituent having a polymerizable
 double bond, or a phenanthryl group having at least one substituent having a
 polymerizable double bond, Ar¹ is a condensed ring hydrocarbon group having two or
 more benzene ring structures (optionally substituted with a C₁₋₆ alkyl group), or a
 hydrocarbon ring assembly group in which two or more aromatic rings are directly
 20 bonded through a single bond (optionally substituted with a C₁₋₆ alkyl group), and R¹ is
 methyl group, ethyl group, or isopropyl group).

Fig. 1