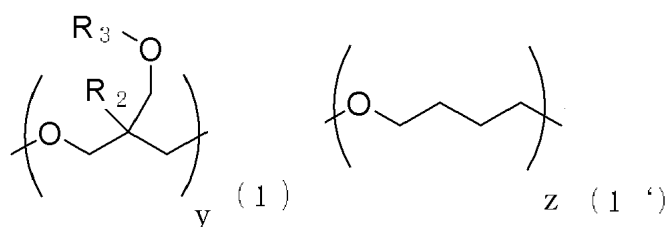


TITLE OF INVENTION: POLYMER FOR COMPOSITION FOR FORMING ORGANIC FILM, METHOD FOR MANUFACTURING THE SAME, COMPOSITION FOR FORMING ORGANIC FILM CONTAINING THE POLYMER, METHOD FOR FORMING ORGANIC FILM USING THE COMPOSITION, AND PATTERNING PROCESS USING THE COMPOSITION

ABSTRACT

A composition for forming an organic film, containing: a resin and/or compound (A); a polymer (B) not containing a halogen atom and containing a repeating unit represented by the formula (1) and a repeating unit represented by the formula (1'); and a solvent (C), where R₂ and R₃ each independently represent a saturated or unsaturated organic group having 1 to 20 carbon atoms and optionally having a substituent, and "y" and "z" each independently satisfy 0 < y < 1 and 0 < z < 1, provided that y+z = 1. The composition having excellent coating property such as coating defects, pinholes on a substrate (wafer), film-formability (in-plane uniformity), and filling property, the composition not containing a fluorine atom and containing a particular polymer. A method for forming an organic film using the composition, a patterning process using the composition for forming an organic film, and the polymer.



[Figures. 3(A) to 3(F)]