

TITLE OF INVENTION: PHOTOCURABLE COMPOSITION AND PROCESS FOR
PRODUCING MOLDED PRODUCT HAVING FINE PATTERN ON ITS SURFACE

ABSTRACT

To provide a photocurable composition whereby it is possible to obtain a cured product having both a release property and flexibility, and a process whereby it is possible to produce a flexible molded product having on its surface a fine pattern having a reverse pattern of a mold precisely transferred.

A photocurable composition 20 comprising a compound (A) having at least two urethane bonds and at least two (meth)acryloyloxy groups and having a mass average molecular weight of less than 2,000, a compound (B) having a fluorine atom and at least one carbon-carbon unsaturated double bond, a compound (C) having one (meth)acryloyloxy group, a photopolymerization initiator (D), and a fluorinated surfactant (E), wherein in the total (100 mass%) of (A) to (E), (A) is from 10 to 50 mass%, (B) is from 5 to 35 mass%, (C) is from 15 to 75 mass%, (D) is from 1 to 12 mass%, and (E) is from 0.1 to 5 mass%, is used.

Fig. 1