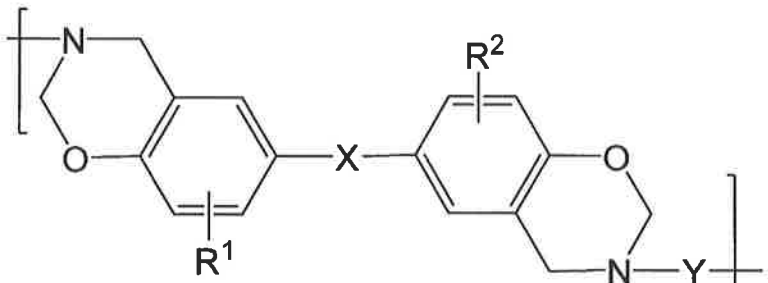
CLAIMS

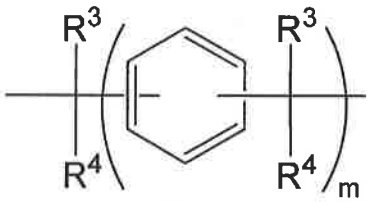
1. An adhesive composition or an underfill composition comprising:

a polymer that exclusively includes at least one structural unit of Formula (1) as a repeating unit except a terminal:



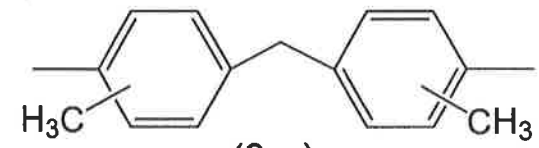
(1)

{where each of R^1 and R^2 is independently a hydrogen atom or a methyl group; X is a sulfonyl group or a divalent organic group of Formula (2):

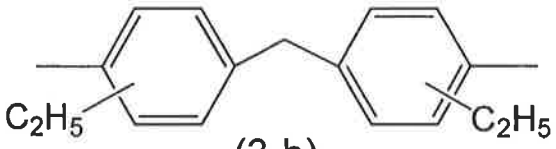


(2)

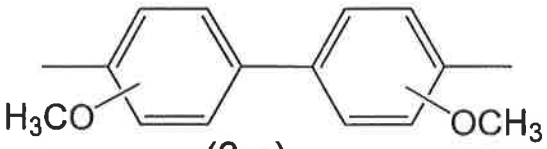
(where each of R^3 and R^4 is independently a hydrogen atom or a methyl group; at least one hydrogen atom of the methyl group is optionally substituted by a halogen atom; and m is 0 or 1), and Y is a divalent organic group of Formula (~~3~~3-a), Formula (3-b), Formula (3-c) or Formula (4):



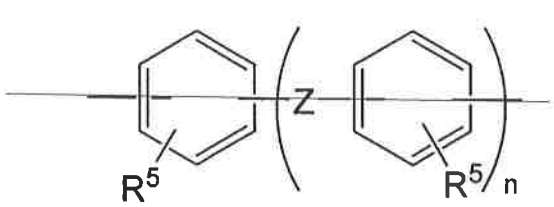
(3-a)



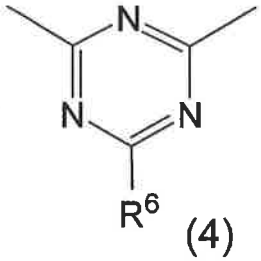
(3-b)



(3-c)



(3)



(4)

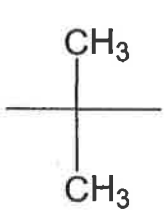
(where ~~Z is a single bond, a methylene group, a sulfonyl group, an -O- group, or a divalent organic group of Formula (2) where m is 0; R^5 is a hydrogen atom, a methyl group, an ethyl group, or a methoxy group;~~ R^6 is a methyl group, a vinyl group, an allyl

group, or a phenyl group; and n is 0 or 1)}; and

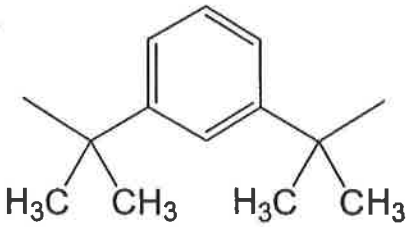
an organic solvent.

2. The adhesive composition or the underfill composition according to claim 1, wherein

the divalent organic group of Formula (2) is represented by Formula (2-a) or Formula (2-b):



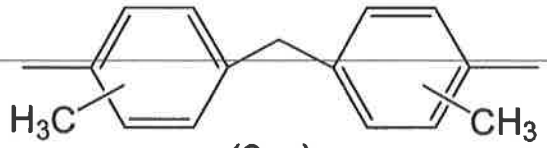
(2-a)



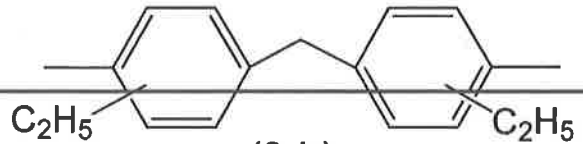
(2-b)

~~3. The adhesive composition or the underfill composition according to claim 1 or 2, wherein~~

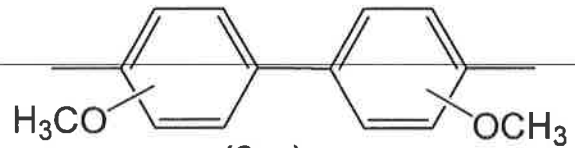
~~the divalent organic group of Formula (3) is represented by Formula (3-a), Formula (3-b), or Formula (3-c):~~



(3-a)



(3-b)



(3-c)

43. The adhesive composition or the underfill composition according to any one of

claims 1 to ~~3~~2, wherein

the polymer has a weight average molecular weight of 1,000 to 100,000.

~~5~~4. The adhesive composition or the underfill composition according to any one of claims 1 to 4~~3~~, wherein

the polymer has two types of the structural unit of Formula (1).

~~6~~5. The adhesive composition or the underfill composition according to any one of claims 1 to ~~5~~4, further comprising an inorganic filler.