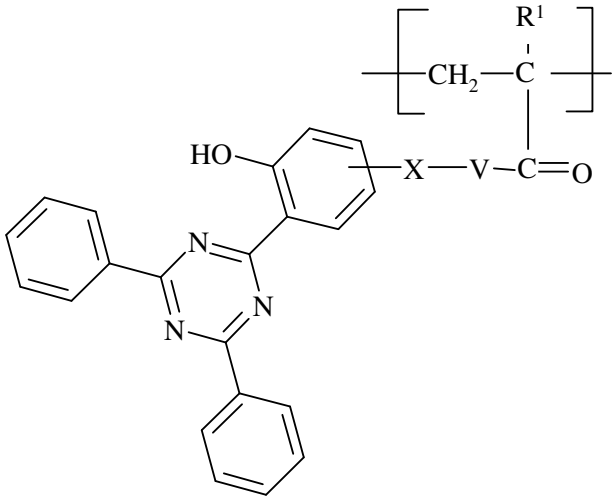
12. The composition of any one of claims 1 to 11, wherein the fluoropolymer is selected from the group consisting of ethylene-tetrafluoroethylene copolymer, a tetrafluoroethylene-hexafluoropropylene copolymer, a tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride copolymer, or polyvinylidene fluoride.

13. The composition of any one of claims 1 to 12, wherein the ultraviolet light-absorbing oligomer has a number average molecular weight of less than 20,000 grams per mole and wherein R^1 and R^2 are both methyl.

~~13~~14. An article comprising the composition of any one of claims 1 to ~~12~~13, wherein the article is a photovoltaic device, vehicle wrap, graphic film, architectural film, or window film.

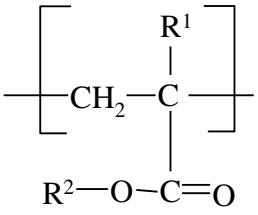
~~14~~15. An ultraviolet light-absorbing oligomer comprising:

a first divalent unit represented by formula:



; and

a second divalent unit represented by formula:



;

wherein

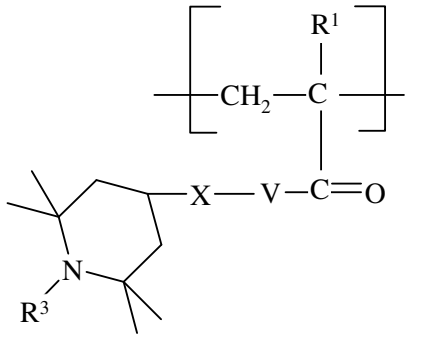
each R^1 is independently hydrogen or methyl;

V is O or NH;

X is a bond, alkylene, or alkyleneoxy, wherein the alkylene or alkyleneoxy have from 1 to 10 carbon atoms and are optionally interrupted by one or more –O- groups and optionally substituted by a hydroxyl group; and

R^2 is alkyl having from 1 to 22 carbon atoms.

16. The ultraviolet light-absorbing oligomer of claim 15, wherein the ultraviolet light-absorbing oligomer further comprises a third divalent unit represented by formula:



,

wherein

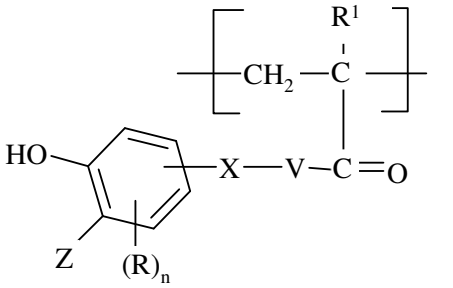
R^1 is independently hydrogen or methyl;

X is a bond, alkylene, or alkyleneoxy, wherein the alkylene or alkyleneoxy have from 1 to 10 carbon atoms and are optionally interrupted by one or more –O- groups and optionally substituted by a hydroxyl group;

V is O or NH; and

R^3 is hydrogen, alkyl, oxy, alkoxy, or alkanone.

17. The ultraviolet light-absorbing oligomer of claim 15 or 16, wherein the ultraviolet light-absorbing oligomer further comprises a fifth divalent unit represented by formula:



,

wherein

R^1 is independently hydrogen or methyl;

V is O or NH;

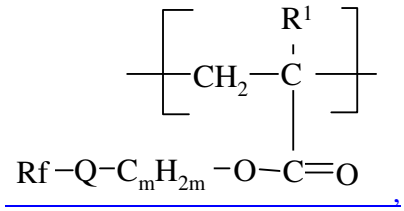
X is a bond, alkylene, or alkyleneoxy, wherein the alkylene or alkyleneoxy have from 1 to 10 carbon atoms and are optionally interrupted by one or more –O- groups and optionally substituted by a hydroxyl group;

R is alkyl having from one to four carbon atoms;

n is 0 or 1; and

Z is a benzoyl group optionally substituted by hydroxyl, alkyl, halogen, or hydroxyl or a 2H-benzotriazol-2-yl group optionally substituted by one or more halogens.

18. The ultraviolet light-absorbing oligomer of any one of claims 15 to 17, wherein the ultraviolet light-absorbing oligomer further comprises a fourth divalent unit represented by formula:



,

wherein

Rf represents a fluoroalkyl group having from 1 to 8 carbon atoms optionally interrupted by one -O- group, or Rf represents a polyfluoropolyether group;

R^1 is independently hydrogen or methyl;

Q is a bond, $-SO_2-N(R^5)-$, or $-C(O)-N(R^5)-$, wherein R is alkyl having from 1 to 4 carbon atoms or hydrogen; and

m is an integer from 0 to 10.

19. The ultraviolet light-absorbing oligomer of any one of claims 15 to 18, wherein the ultraviolet light-absorbing oligomer further comprises a sixth divalent unit comprising a pendent carboxylic acid, hydroxyl, aminocarbonyl, alkylaminocarbonyl, or dialkylaminocarbonyl group, wherein the alkyl in the alkylaminocarbonyl or dialkylaminocarbonyl is optionally substituted by hydroxyl.

2015. A pressure sensitive adhesive comprising the ultraviolet light-absorbing oligomer of ~~claim 14~~any one of claims 15 to 19.

21. The pressure sensitive adhesive of claim 20, wherein R^2 is alkyl having 4 to 22 carbon atoms.

22. The pressure sensitive adhesive of the claim 20 or 21, wherein the pressure sensitive adhesive is an acrylic pressure sensitive adhesive.

23. The pressure sensitive adhesive of claim 22, wherein the pressure sensitive adhesive comprises the second divalent unit, and wherein R^2 is alkyl having 4 to 22 carbon atoms.

24. The pressure sensitive adhesive of any one of claims 20 to 23, wherein R^2 is alkyl having 8 carbon atoms.