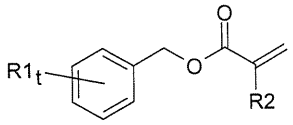
What is claimed is:

1. An optical film comprising a preformed polymeric film base layer and a polymerized microstructured optical layer, the polymerized microstructured optical layer comprising a linear array of regular right prisms, the prisms having peaks with a spacing of no greater than 300 microns wherein the polymerized microstructured ~~surface that~~ optical layer comprises the reaction product of a polymerizable resin composition comprising

nanoparticles;

at least one first monomer comprising at least two (meth)acrylate groups; and

at least one second (meth)acrylate monomer having the structure



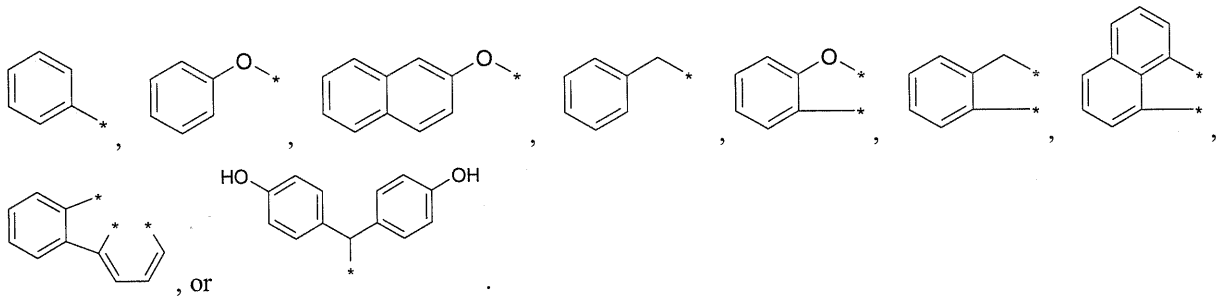
wherein at least one R1 comprises an aromatic substituent,

t is an integer from 1 to 4, and

R2 is hydrogen or methyl.

2. The optical film of claim 1 wherein t is 1.

3. The optical film of the previous claims wherein R1 is selected from the group consisting



, or .

4. The optical film of the previous claims wherein the monomer has a refractive index of at least 1.54.

5. The optical film of the previous claims wherein the monomer has a viscosity of less than 100 cps, or 75 cps, or 50 cps, or 25 cps at 25°C.

6. The optical film of claim 1 wherein the first monomer comprises at least two aromatic rings.

7. The optical film of claim 6 wherein the first monomer is a bisphenol, fluorene or biphenyl (meth)acrylate monomer.

8. The optical film of claims 1-7 wherein the polymerizable resin comprises up to 15 wt-% of one or more first monomers comprising at least two (meth)acrylate groups.