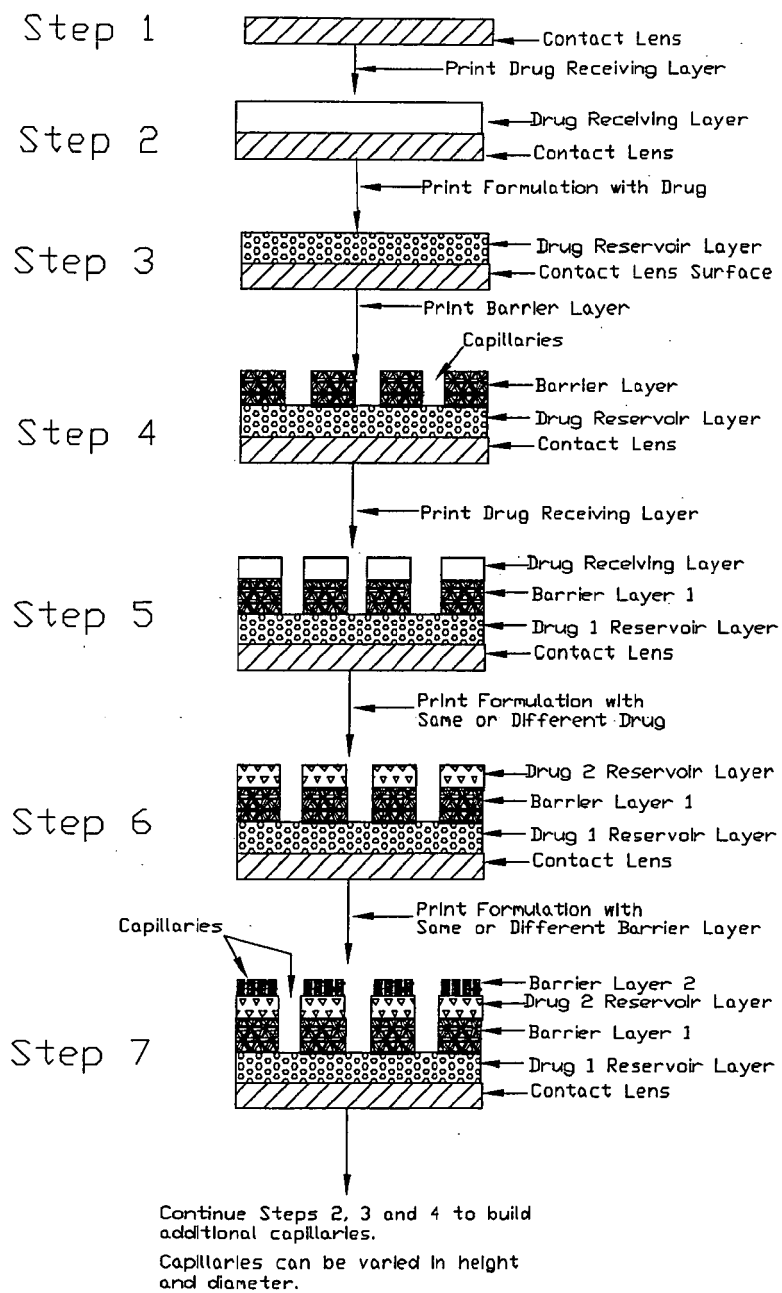


1 / 8

Figure 1

Printing of 3D Structures for Modulation of Drug Release



2 / 8

Figure 2

Barrier Layers
(Varying diffusion rates and thicknesses)

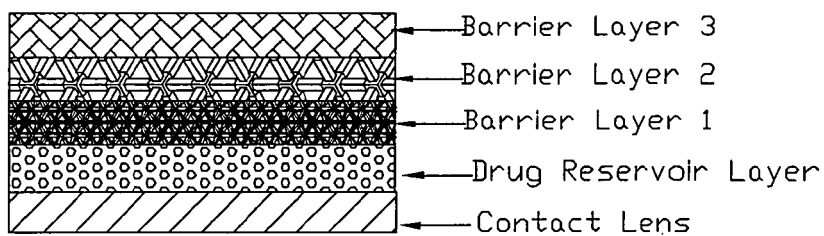
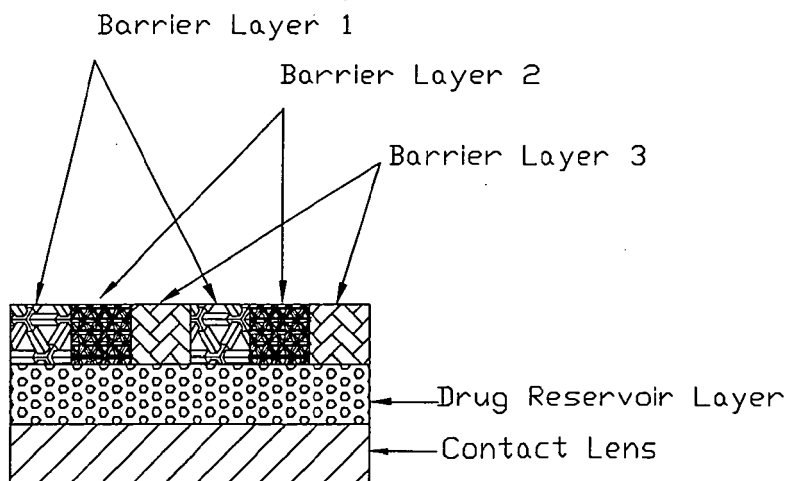


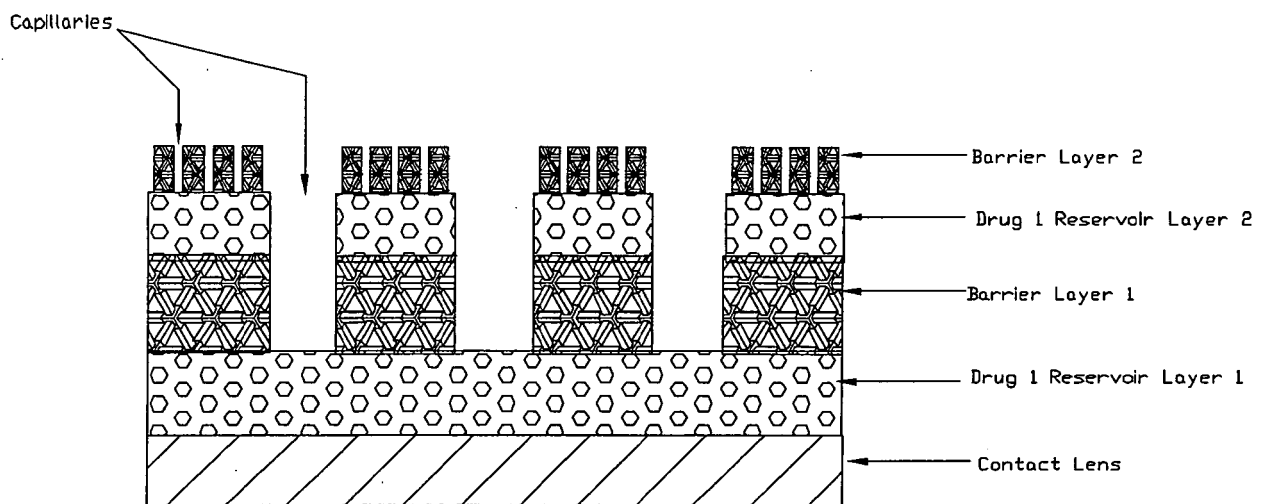
Figure 3

Barrier Layers
(Varying diffusion rates and thicknesses)



3 / 8

Figure 4
3D Structure for Modulating
Drug Release Rate



4 / 8

Figure 5
Using Drug Receiving Layer
for Drug Reservoir

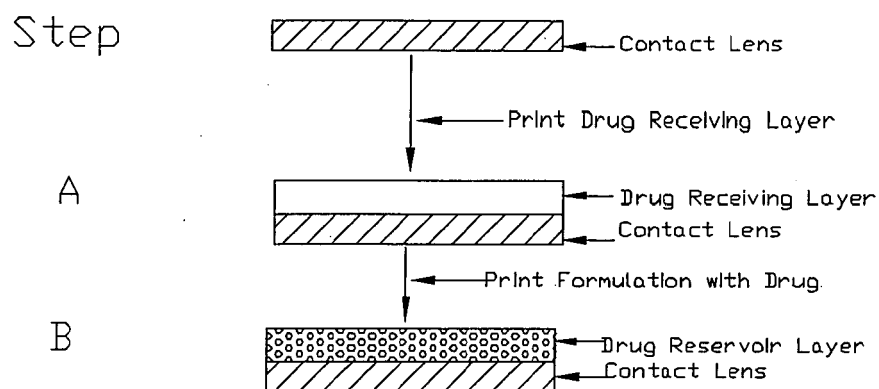
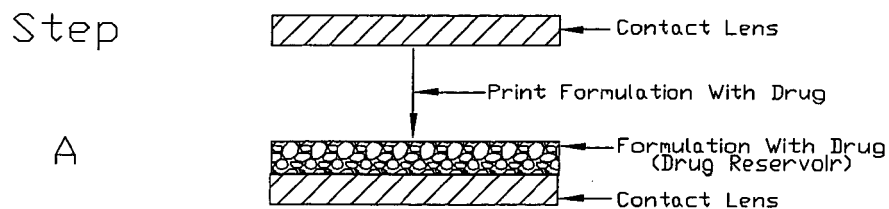
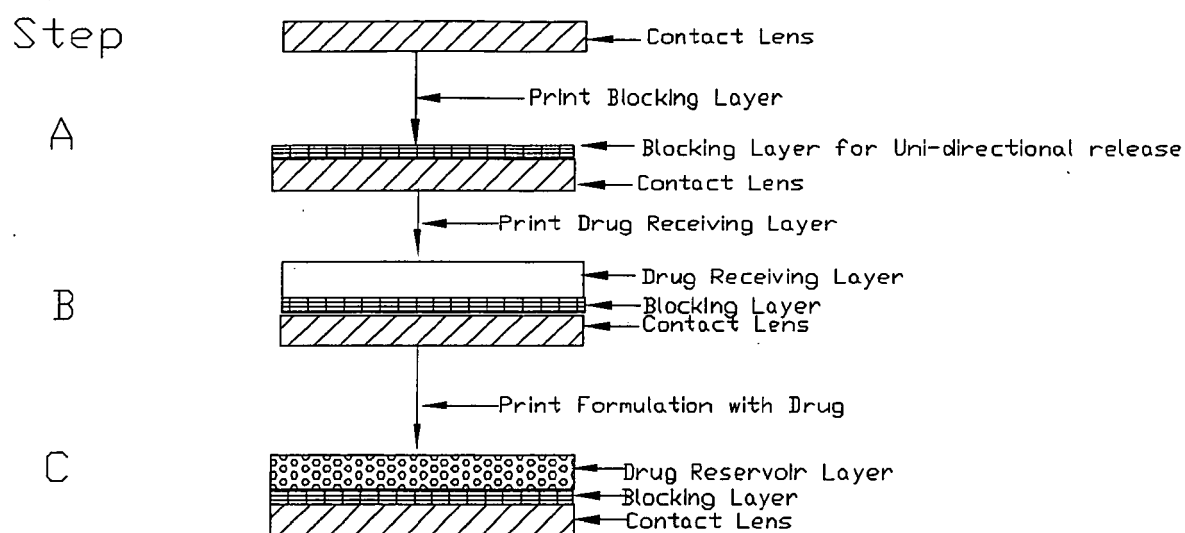


Figure 6
Printable Drug Reservoir



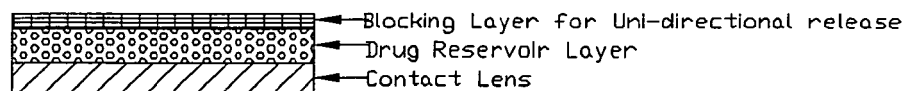
5 / 8

Figure 7
Uni-directional Drug Release



Drug Release Away From the Lens

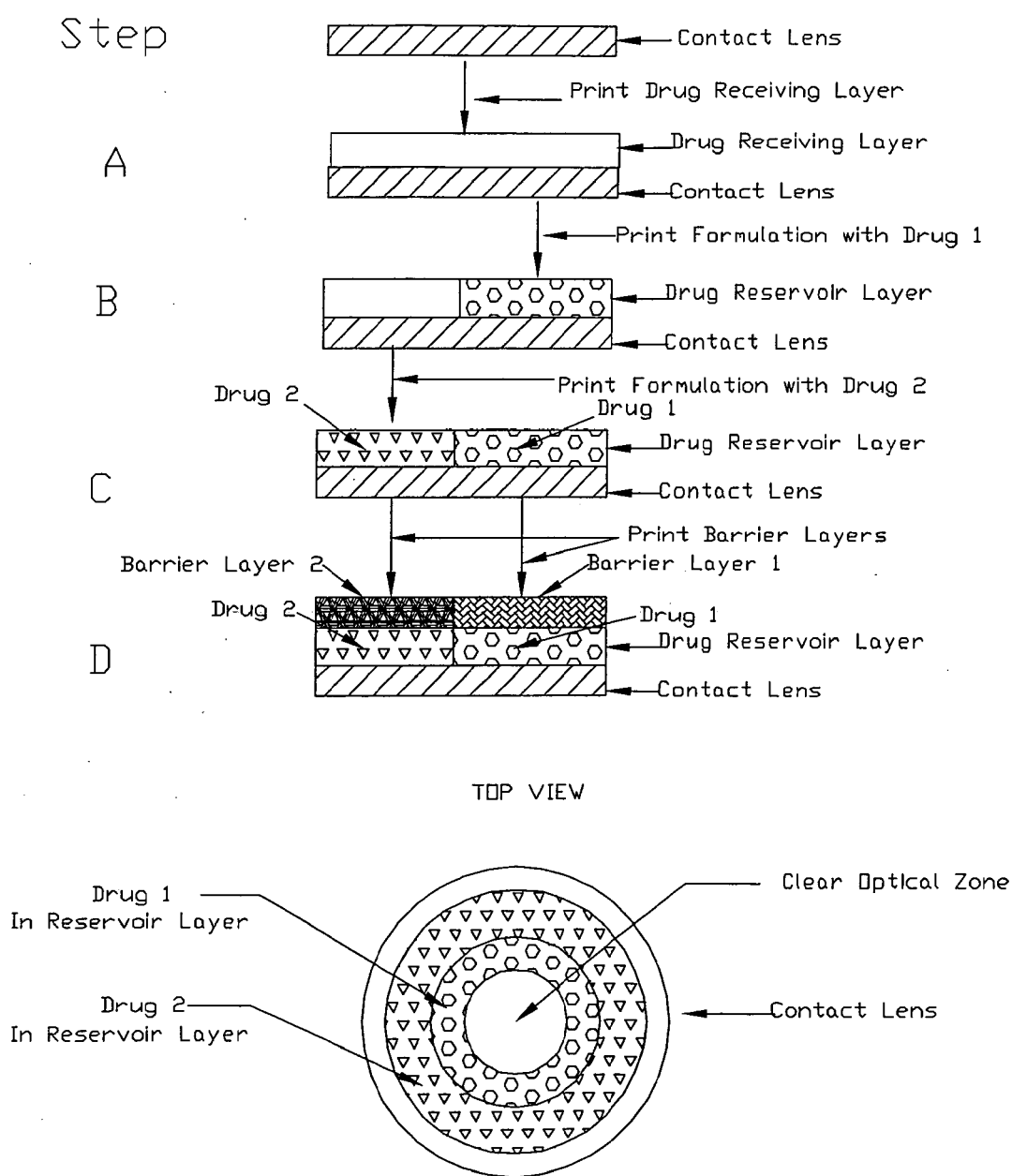
Or Conversely



Drug Release Through the Lens

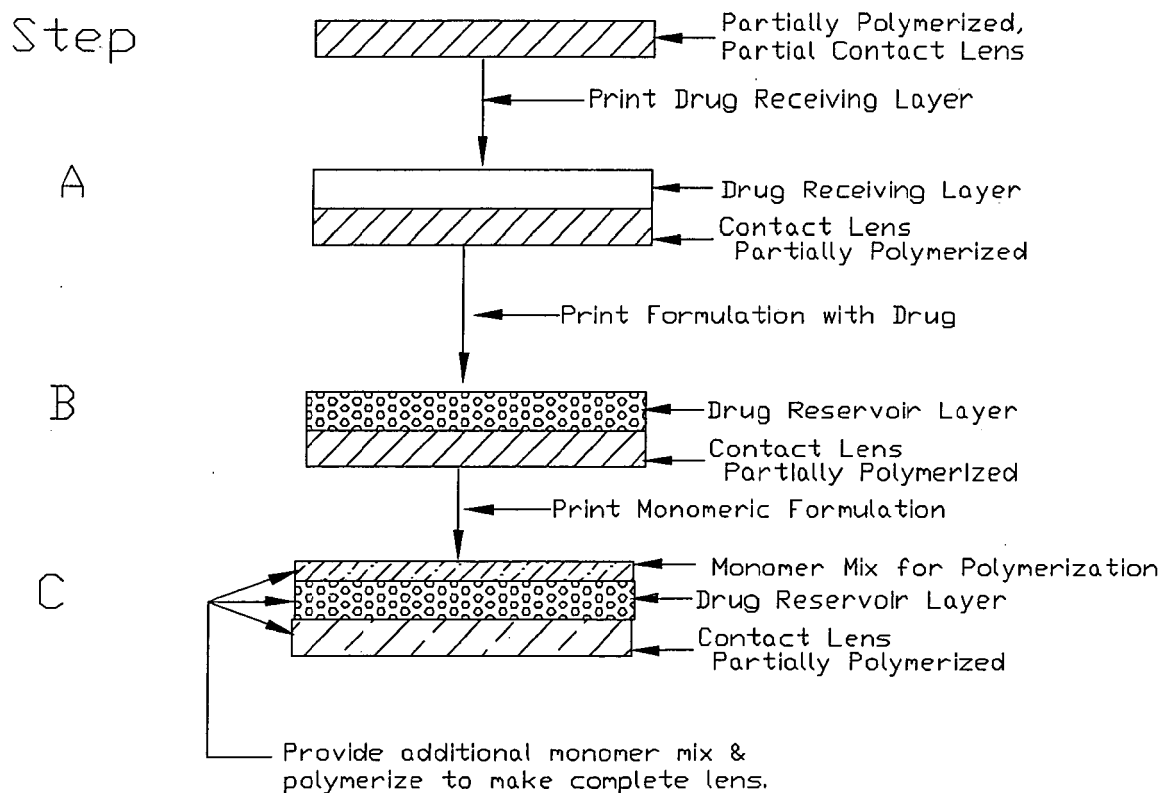
6 / 8

Figure 8
Multiple Drugs in Release Layer



7 / 8

Figure 9

Use of Digital Printing for Embedding
Drug Inside the Contact Lens

8 / 8

Examples of Different 3D Structures to Modulate Drug Release Rate

Figure 10

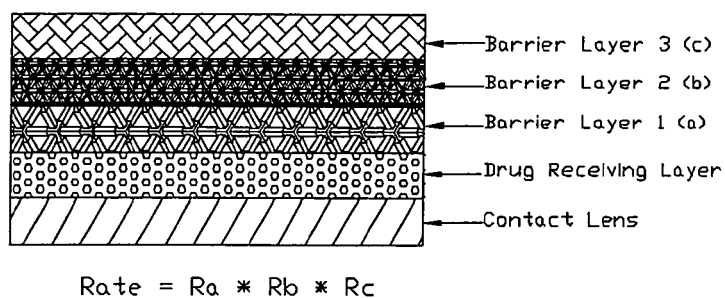


Figure 11

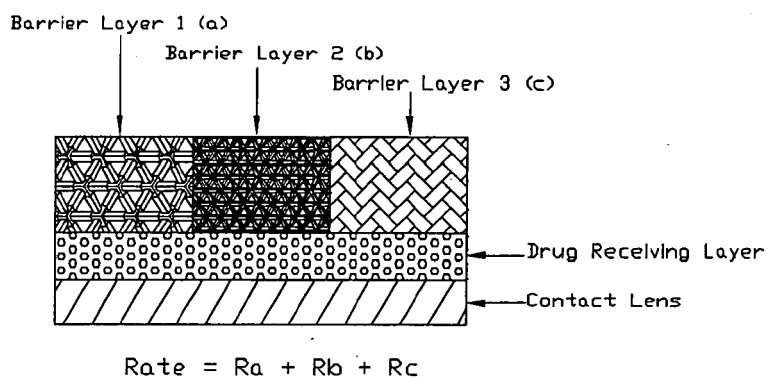


Figure 12

