

Fig. 1
Prior Art

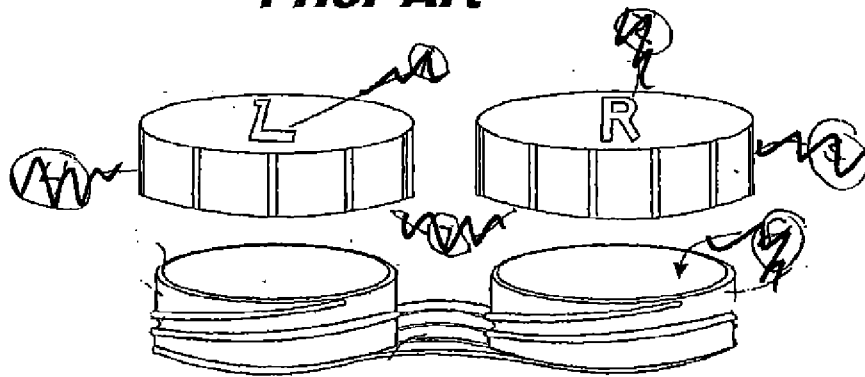


Fig. 2
Prior Art

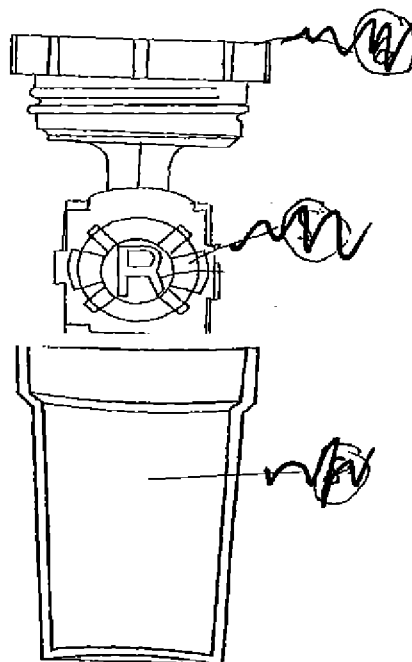


Fig. 3a
Prior Art

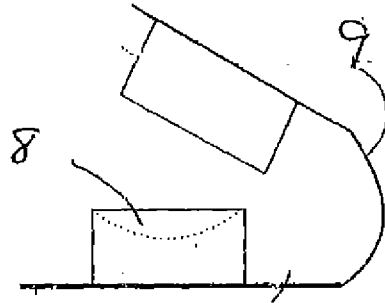


Fig. 3b
Prior Art

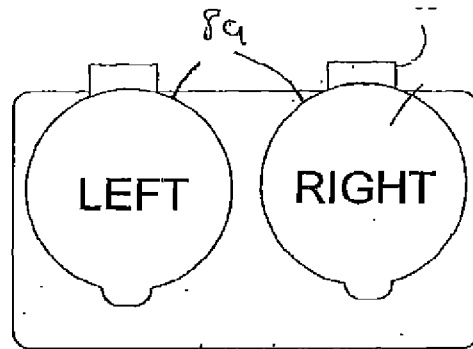
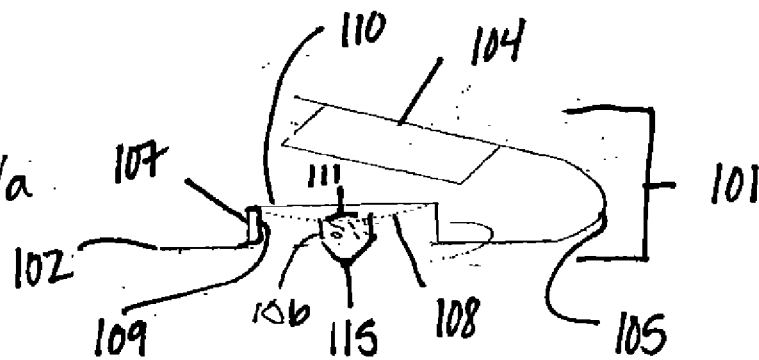


Fig. 4a



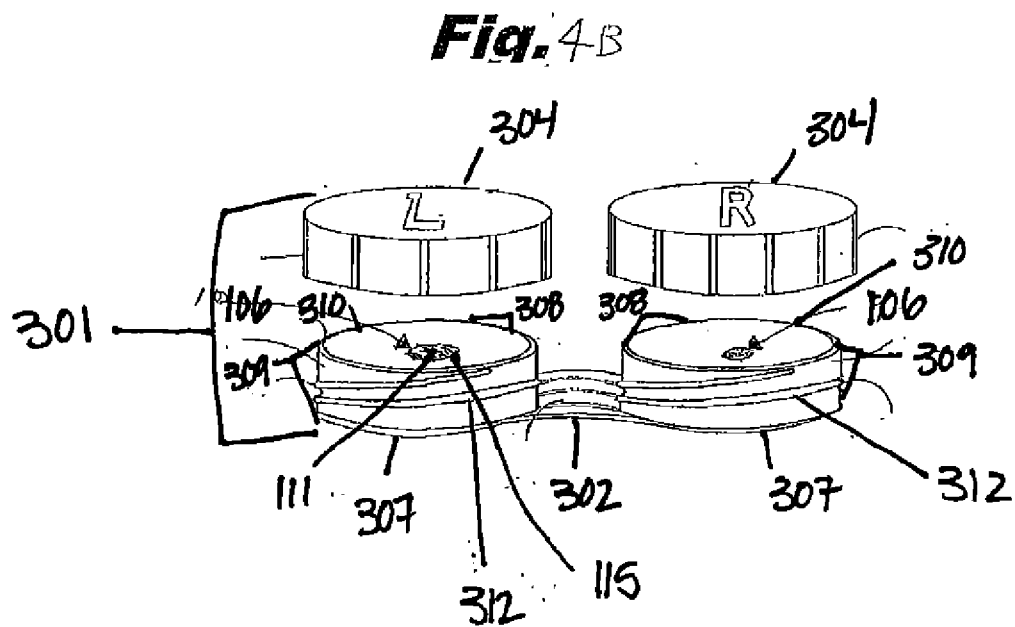
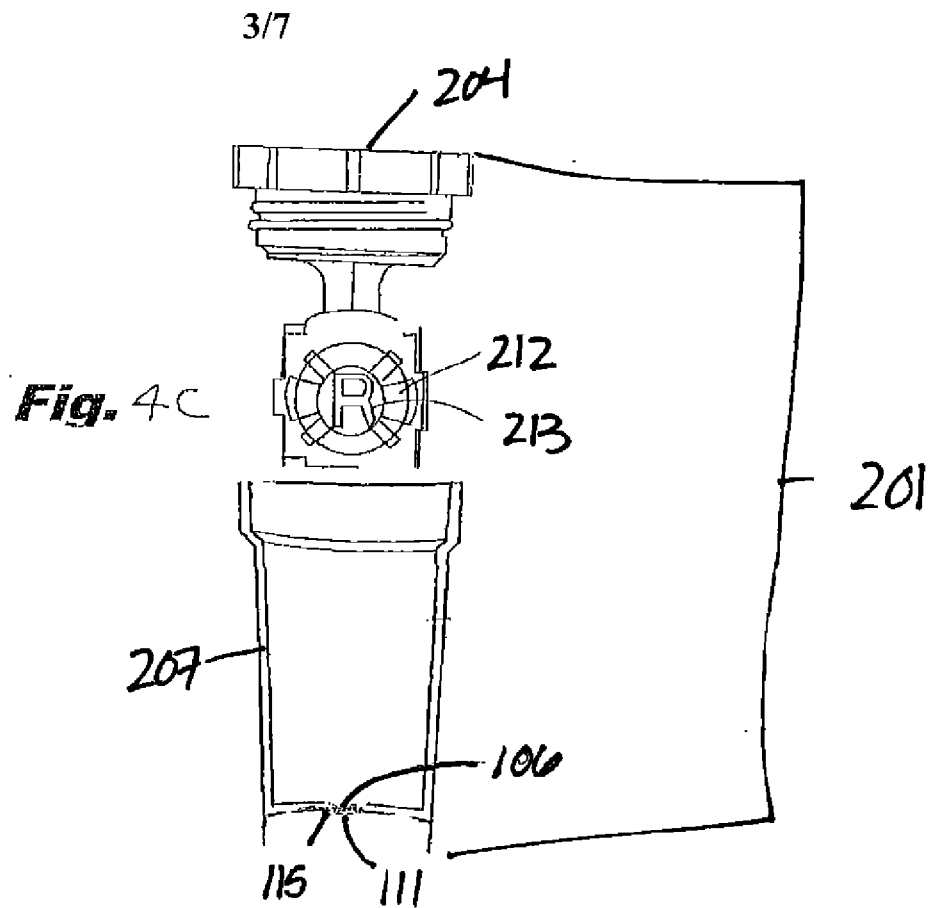


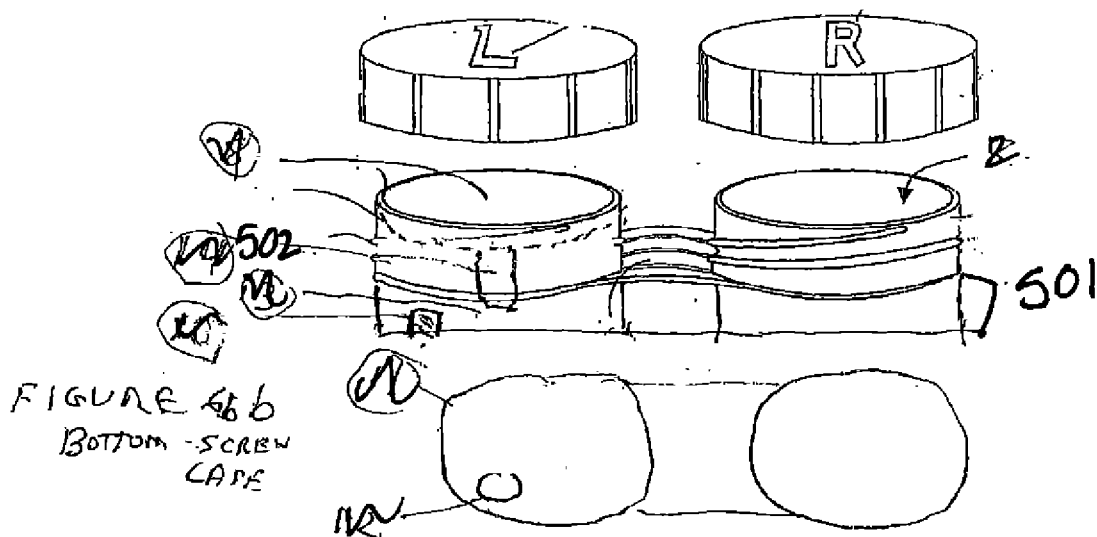
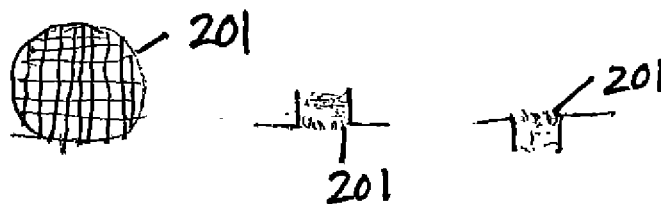
Fig. 6a - SCREW CASE

Figure 7a: Aperture Designs: Open hole Filled with Biodegradable Material

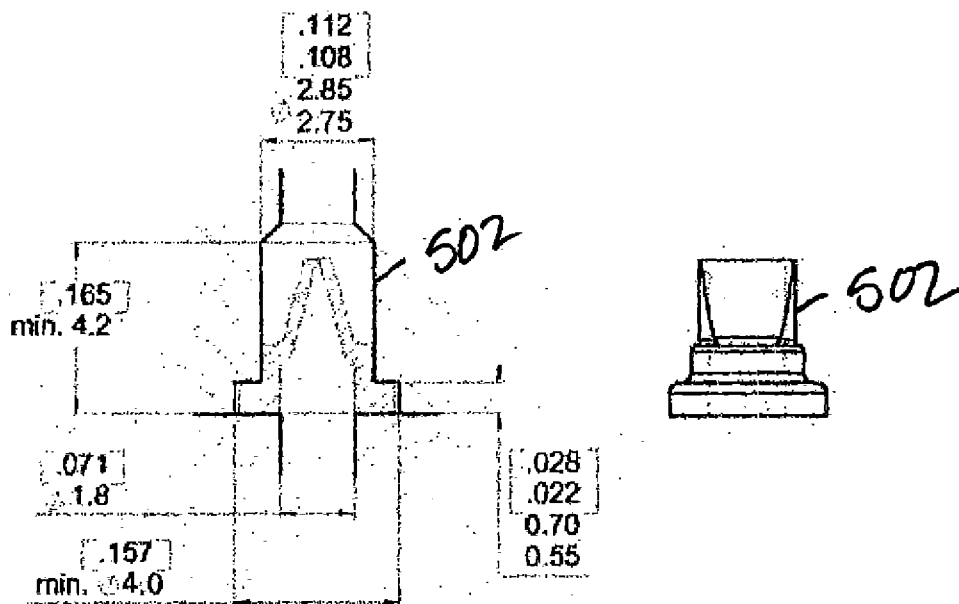


Figure 7b: Aperture Designs: Aperture covered with a sieve-like structure



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Figure 8: Valve Designs:



DU 027.001 SD seating suggestion

min (Inch)

From www.mnltube.com

Figure 9: Multilayer Configurations

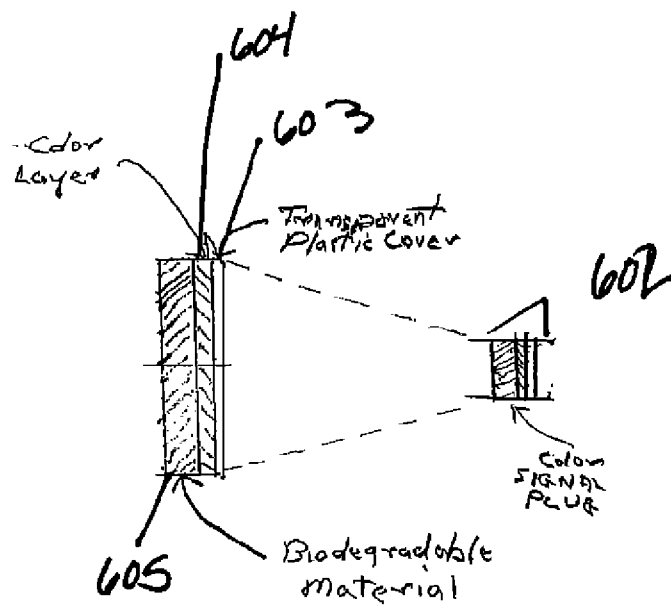


FIG. 9