Abstract

VALVE MOLD AND PROSTHESIS FOR MAMMALIAN SYSTEMS

A valve mold (200) for a prosthetic valved conduit includes two thin film transparent plastic templates having the molding shape of the valve to sandwich biological tissue membrane to form the valve. In another embodiment, a valve mold template may be a 3-dimensional geometry which, when folded and sutured to form a close-loop, resembles the geometry of a native aortic valve. The attachment side of a template designed in accordance with the principles of the invention may have a slightly undulating edge, according to one embodiment.

Figure 2