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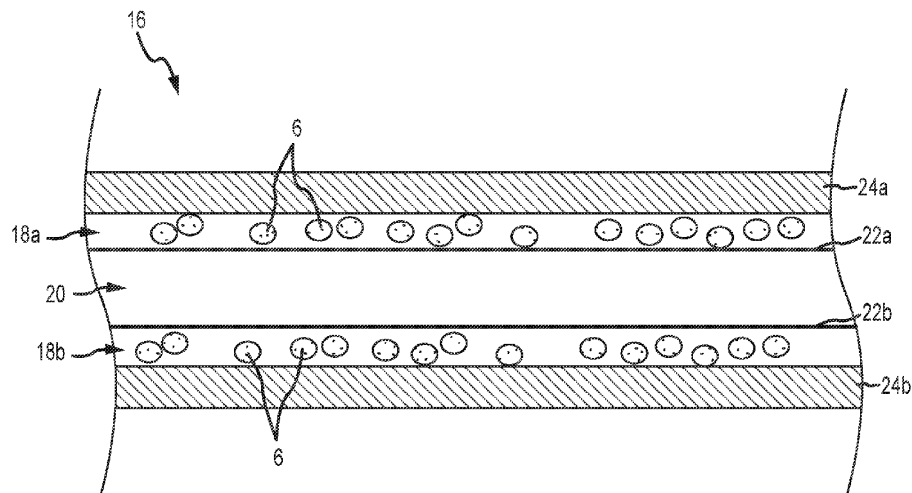


FIG.2

(57) Abstract: Encapsulation devices, systems and methods are provided. In some embodiments, encapsulation devices for housing cells and providing various therapeutic benefits to a patient or host are provided. Encapsulation devices are provided that include a matrix or scaffold within a cell-receiving area or void, and methods of forming and preparing such a matrix are disclosed. Encapsulation devices that include channels are further provided, and the channels of the present disclosure are operable to convey fluid to internal areas of devices without restricting vascularization.

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