

Title (en)

PROTEIN MATRIX MATERIALS, DEVICES AND METHODS OF MAKING AND USING THEREOF

Title (de)

MATERIALIEN AUS PROTEINMATRIX, VORRICHTUNGEN UND METHODEN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)

MATERIAUX DE MATRICE PROTEIQUE, DISPOSITIFS CORRESPONDANTS ET PROCEDES POUR LEUR PRODUCTION ET LEUR UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO0187267A1] The present invention relates to protein matrix materials and devices and the methods of making and using protein matrix materials and devices. More specifically the present invention relates to protein matrix materials and devices that may be utilized for various medical applications including, but not limited to, drug delivery devices for the controlled release of pharmacologically active agents, encapsulated or coated stent devices, vessels, tubular grafts, vascular grafts, wound healing devices including protein matrix suture material and meshes, skin/bone/tissue grafts, biocompatible electricity conducting matrices, clear protein matrices, protein matrix adhesion prevention barriers, cell scaffolding and other biocompatible protein matrix devices. Furthermore, the present invention relates to protein matrix materials and devices made by forming a film comprising one or more biodegradable protein materials, one or more biocompatible solvents and optionally one or more pharmacologically active agents. The film is then partially dried, rolled or otherwise shaped, and then compressed to form the desired protein matrix device.

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