

Title (en)  
SYNTHETIC COLLAGEN ORTHOPAEDIC STRUCTURES SUCH AS GRAFTS, TENDONS AND OTHER STRUCTURES

Title (de)  
ORTHOPÄDISCHE STRUKTUREN AUF BASIS VON SYNTHETISCHEM KOLLAGEN WIE TRANSPLANTATEN, SEHNEN UND ANDEREN STRUKTUREN

Title (fr)  
STRUCTURES ORTHOPEDIQUES SYNTHETIQUES A BASE DE COLLAGENE TELLES QUE DES GREFFONS, DES TENDONS ET AUTRES

Publication  
**EP 0793512 A1 19970910 (EN)**

Application  
**EP 95941360 A 19951107**

Priority  
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Abstract (en)  
[origin: WO9614095A1] An improved biodegradable and biocompatible reconstituted monofilament collagen fiber having increased strength and elasticity is disclosed. The method of manufacture of the fiber, comprising a water bath step following a dehydration step, is also disclosed. Several embodiments of the collagen fiber are disclosed, including grafts, prosthetic devices, bundles of the fibers where the fibers of the bundle are tensioned and fail substantially in unison, and methods thereof. The fibers of the invention, or the embodiments of the fibers, may be coated or embedded in a polymer to protect the fibers and to bind them together. Additionally, proteoglycans may be incorporated into the fibers to enhance the ultimate tensile strength of the fibers.

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