

Title (en)  
COLLAGEN FIBER CONSTRUCTS FOR REPLACING CRUCIATE LIGAMENTS

Title (de)  
KOLLAGENFASERKONSTRUKTE FÜR DEN KREUZBANDERSATZ

Title (fr)  
CONSTRUCTION DE FIBRES DE COLLAGÈNE POUR LE REMPLACEMENT DE LIGAMENTS CROISÉS

Publication  
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Application  
**EP 10795706 A 20101220**

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Abstract (en)  
[origin: WO2011085920A1] The invention relates to a collagen fiber construct which is composed of individual collagen fibers and which is sterilized with alcohol and by means of radiation and is not populated with cells, said individual collagen fibers being isolated from mammalian tissue containing collagen. The invention also relates to a method for producing a collagen fiber construct which is composed of individual collagen fibers and which is sterilized with alcohol and by means of radiation and is not populated with cells, said individual collagen fibers being isolated from rat tail tissue containing collagen. Finally, the use of the collagen fiber constructs as a xenoimplant is also described.

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Citation (search report)  
See references of WO 2011085920A1

Citation (examination)  
• US 5078744 A 19920107 - CHVAPIL MILOS [US]  
• US 2008260794 A1 20081023 - LAURITZEN NELS J [US], et al  
• US 2004030404 A1 20040212 - NOLL MICHAELA [DE], et al  
• US 5171273 A 19921215 - SILVER FREDERICK H [US], et al  
• US 2003003157 A1 20030102 - OHAN MARK P [US], et al  
• MILOS CHVAPIL ET AL: "Collagen fibers as a temporary scaffold for replacement of ACL in goats", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, WILEY, NEW YORK, NY, US, vol. 27, no. 3, 1 March 1993 (1993-03-01), pages 313 - 325, XP002656831, ISSN: 0021-9304, [retrieved on 20040913], DOI: 10.1002/JBM.820270305  
• GENTLEMAN E ET AL: "Mechanical characterization of collagen fibers and scaffolds for tissue engineering", BIOMATERIALS, ELSEVIER, AMSTERDAM, NL, vol. 24, no. 21, 1 September 2003 (2003-09-01), pages 3805 - 3813, XP004431161, ISSN: 0142-9612, DOI: 10.1016/S0142-9612(03)00206-0

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