

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
17 May 2001 (17.05.2001)

PCT

(10) International Publication Number
WO 01/34065 A1

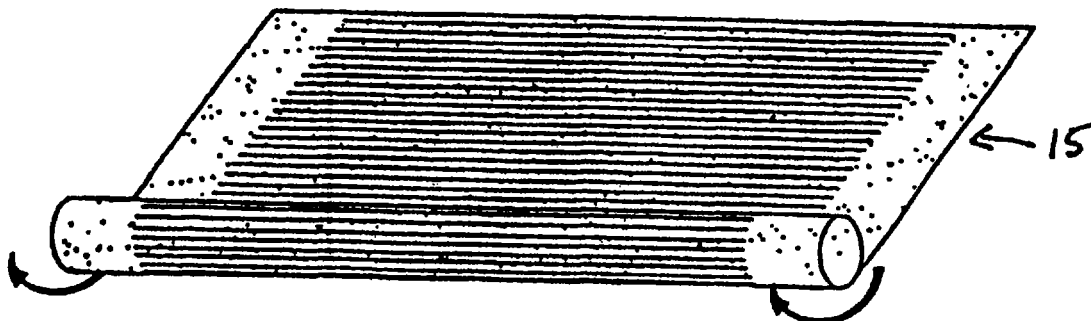
- (51) International Patent Classification⁷: **A61F 2/08** (74) Agent: PANDISCIO, Mark, J.; Pandiscio & Pandiscio, 470 Totten Pond Road, Waltham, MA 02451-1914 (US).
- (21) International Application Number: **PCT/US00/31033**
- (22) International Filing Date:
10 November 2000 (10.11.2000) (81) Designated States (national): AU, CA, CN, JP, SG.
- (25) Filing Language: **English** (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (26) Publication Language: **English** Published:
— With international search report.
- (30) Priority Data:
60/165,331 12 November 1999 (12.11.1999) US For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
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(54) Title: **TISSUE-ENGINEERED LIGAMENT**

(57) Abstract: An apparatus and method for the reconstruction of a previously torn ligament using a tissue-engineered ligament (10). The tissue-engineered ligament (10) includes a scaffold of biocompatible material having at least one layer and forming a sheet (15). The scaffold is placed in a cultured medium for seeding with fibrocyte forming cells (25). The seeded scaffold is then placed in an incubator is then formed into a slender structure (35) suitable for implantation. The method of making a tissue-engineered ligament (10) includes forming a scaffold of biocompatible material having at least one layer forming a sheet (15). Next, the scaffold sheet is seeded with fibrocyte forming cells. The method further includes increasing the number of cells (25) on the seeded scaffold and forming a slender structure (35) suitable for implantation from the scaffold.

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