

Title (en)

COLLAGEN GEL, PROCESS FOR MAKING IT AND MEMBRANE ARTICLES MADE FROM SAID GEL.

Title (de)

KOLLAGENGEL, HERSTELLUNG UND MEMBRANGEGENSTÄNDE DARAUS.

Title (fr)

GEL DE COLLAGENE, SON PROCEDE DE FABRICATION ET ARTICLES A MEMBRANE FABRIQUES A PARTIR DUDIT GEL.

Publication

**EP 0162077 A4 19870609 (EN)**

Application

**EP 84904240 A 19841026**

Priority

US 54696383 A 19831031

Abstract (en)

[origin: WO8501949A1] Method of making collagen gel suitable for use in the manufacture of thin collagen film articles having superior mechanical properties. The method includes the steps of providing clean animal tendon at room temperature containing at least 30% collagen essentially free of ligamentous tissue. The tendon is comminuted in the presence of about 65% water by weight to form a collagen slurry. The slurry is treated with Rhozyme - 41 to digest elastin and other non-collagenous matter while leaving the collagen structure substantially intact and thereafter is acid-swelled using an acid selected from the group consisting of lactic acid, maleic acid, succinic acid, malic acid, oxalic acid and tartaric acid to form a swollen collagen suspension. The suspension is homogenized and deaerated to form a collagen gel.

IPC 1-7

**A61F 13/00; C08L 89/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] DE 2716602 B1 19780202 - NIPPI INC, et al
- [Y] US 4268131 A 19810519 - MIYATA TERUO, et al
- [A] US 2934446 A 19600426 - HIGHBERGER JOHN H, et al
- [A] US 3131130 A 19640428 - ONESON IRVING B
- See also references of WO 8501949A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 8501949 A1 19850509**; AU 3615684 A 19850522; AU 579122 B2 19881117; CA 1239103 A 19880712; EP 0162077 A1 19851127; EP 0162077 A4 19870609; ES 537299 A0 19860401; ES 8605825 A1 19860401; FI 82703 B 19901231; FI 82703 C 19910410; FI 851993 A0 19850517; FI 851993 L 19850517; IN 163124 B 19880813; IT 1196752 B 19881125; IT 8468083 A0 19841030; IT 8468083 A1 19860430; JP H0360871 B2 19910918; JP S61501153 A 19860612; NZ 210035 A 19881028; ZA 848412 B 19850828

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**US 8401744 W 19841026**; AU 3615684 A 19841026; CA 466495 A 19841029; EP 84904240 A 19841026; ES 537299 A 19841031; FI 851993 A 19850517; IN 860MA1984 A 19841113; IT 6808384 A 19841030; JP 50411784 A 19841026; NZ 21003584 A 19841030; ZA 848412 A 19841029