

Title (en)

WATER SOLUBLE MICROFLAKE THROUGH AIR-GAP AND PROCESS THEREFORE

Title (de)

WASSERLÖSLICHE MIKROFLOCKEN DURCH LUFTSCHLITZE UND PROZESS HIERFÜR

Title (fr)

MICROPAILLETES HYDROSOLUBLES GRACE A DES ESPACES D'AIR, ET PROCEDE ASSOCIE

Publication

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Application

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Abstract (en)

[origin: WO0205783A1] Disclosed is a multi-layered, air-gap sheet of chitosan with a regular lamellar structure, which retains drug for a prolonged period of time and makes drug distributed uniformly therethroughout. In the lamellar structure chitosan thin films 1-50  $\mu\text{m}$  thick are layered at such regular gaps of 1-10,000  $\mu\text{m}$  in the direction perpendicular or horizontal to the surface of the sheet or slanting against the surface of the sheet that drugs can be homogeneously dispersed throughout the sheet. It is a novel form which can be effectively used as a clinical-pathological agent with high coatability onto skin, maximizing the medicinal efficacy of chitosan. The sheet of the present invention is highly suitable for use as a chitosan source for a broad spectrum of applications because it can be readily dissolved in water owing to its large surface area.

IPC 1-7

**A61K 9/00**

IPC 8 full level

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Citation (search report)

- [PA] WO 0104207 A1 20010118 - COGNIS DEUTSCHLAND GMBH [DE], et al
- [A] MADIHALLY S V ET AL: "Porous chitosan scaffolds for tissue engineering", BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 20, June 1999 (1999-06-01), pages 1133 - 1142, XP002286582, ISSN: 0142-9612
- [A] DATABASE WPI Week 199049, Derwent World Patents Index; AN 1990-364546, XP002157157
- See references of WO 0205783A1

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