

Title (en)
CHITOSAN AND APPLICATIONS THEREOF

Title (de)
CHITOSAN UND ANWENDUNGEN DAVON

Title (fr)
CHITOSANE ET SES APPLICATIONS

Publication
EP 3976663 A1 20220406 (FR)

Application
EP 20726469 A 20200520

Priority
• FR 1905504 A 20190524
• EP 2020064159 W 20200520

Abstract (en)
[origin: WO2020239591A1] The present invention relates to a crosslinked carboxyalkyl chitosan forming a matrix, compositions comprising same, a method for manufacturing same, and the different applications thereof, in particular in the field of therapy, rheumatology, ophthalmology, aesthetic medicine, plastic surgery, internal surgery, dermatology, gynaecology or cosmetics. The invention relates in particular to a matrix comprising at least one carboxyalkyl chitosan having glucosamine units, N-acetylglucosamine units and glucosamine units substituted with a carboxyalkyl group, the carboxyalkyl chitosan having a degree of acetylation ranging from 40% to 80%, expressed as the number of moles of N-acetyl groups relative to the number of moles of total glucosamine units, the carboxyalkyl chitosan being crosslinked by covalent bonds between the chains of carboxyalkyl chitosan.

IPC 8 full level
C08B 37/08 (2006.01); **C08L 5/08** (2006.01)

CPC (source: CN EP KR US)
A61K 9/0019 (2013.01 - CN); **A61K 9/06** (2013.01 - CN); **A61K 31/722** (2013.01 - CN); **A61K 31/728** (2013.01 - CN);
A61L 27/20 (2013.01 - CN US); **A61L 27/26** (2013.01 - US); **A61L 27/48** (2013.01 - US); **A61L 27/50** (2013.01 - CN);
A61L 27/52 (2013.01 - CN); **A61P 19/02** (2017.12 - CN); **A61P 27/02** (2017.12 - CN); **A61P 29/02** (2017.12 - CN); **A61P 39/06** (2017.12 - CN);
C08B 37/003 (2013.01 - CN EP KR US); **C08B 37/0072** (2013.01 - EP KR US); **C08J 3/24** (2013.01 - US); **C08J 3/246** (2013.01 - US);
C08L 5/08 (2013.01 - EP KR US); **A61L 2300/236** (2013.01 - CN); **A61L 2400/06** (2013.01 - CN US); **A61L 2430/02** (2013.01 - CN US);
A61L 2430/06 (2013.01 - CN US); **C08J 2305/08** (2013.01 - US); **C08J 2405/08** (2013.01 - US); **C08L 2201/08** (2013.01 - US);
C08L 2203/02 (2013.01 - KR US); **C08L 2205/025** (2013.01 - US)

C-Set (source: CN)
1. **A61K 31/722 + A61K 2300/00**
2. **A61K 31/728 + A61K 2300/00**
3. **A61L 27/20 + C08L 5/08**

Citation (search report)
See references of WO 2020239591A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3096260 A1 20201127; **FR 3096260 B1 20220527**; CN 114080399 A 20220222; EA 202193053 A1 20220321; EP 3976663 A1 20220406;
JP 2022533772 A 20220725; KR 20220013374 A 20220204; US 2022220227 A1 20220714; WO 2020239591 A1 20201203

DOCDB simple family (application)
FR 1905504 A 20190524; CN 202080049342 A 20200520; EA 202193053 A 20200520; EP 2020064159 W 20200520; EP 20726469 A 20200520;
JP 2021569447 A 20200520; KR 20217039212 A 20200520; US 202017614099 A 20200520