

Title (en)
CALCIFICATION-RESISTANT BIOMATERIALS

Title (de)
VERKALKUNGSBESTÄNDIGE BIOMATERIALIEN

Title (fr)
BIOMATERIAUX RESISTANT A LA CALCIFICATION

Publication
EP 0885021 A1 19981223 (EN)

Application
EP 97904113 A 19970205

Priority

- US 9701526 W 19970205
- US 59540296 A 19960205
- US 69066196 A 19960731

Abstract (en)
[origin: WO9727886A1] The invention features a bioprosthetic article including a biocompatible material having at least one bound exogenous storage structure, the storage structure having a quantity of calcification inhibitors releasably bound thereto. The storage structure can be a protein or a synthetic polymer. The calcification inhibitors include metal ions and phosphatase inhibitors generally. Bifunctional metal chelators can be bound to endogenous proteins to deliver metal ions.

IPC 1-7
A61L 27/00

IPC 8 full level
A61L 27/00 (2006.01); **A61L 27/36** (2006.01); **A61L 27/50** (2006.01)

CPC (source: EP)
A61L 27/3604 (2013.01); **A61L 27/50** (2013.01); **A61L 2400/02** (2013.01)

Citation (search report)
See references of WO 9727886A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9727886 A1 19970807; AU 1848997 A 19970822; BR 9707269 A 19990413; EP 0885021 A1 19981223; JP 2000505667 A 20000516

DOCDB simple family (application)
US 9701526 W 19970205; AU 1848997 A 19970205; BR 9707269 A 19970205; EP 97904113 A 19970205; JP 52782797 A 19970205