

Title (en)

LOWER ESOPHAGUS TISSUE MODIFIER

Title (de)

MITTEL ZUR MODIFIKATION DES GEWEBES IM UNTEREN ÖSOPHAGUS

Title (fr)

MODIFICATEUR DES TISSUS DE L'ŒSOPHAGE INFÉRIEUR

Publication

**EP 1487539 A1 20041222 (EN)**

Application

**EP 03713667 A 20030224**

Priority

- US 0305691 W 20030224
- US 8424002 A 20020227
- US 28016302 A 20021025

Abstract (en)

[origin: WO03072196A1] The present invention provides a method of modifying the lower esophagus by injecting biocompatible particles in a biocompatible carrier into a submucosal tissue site of the lower esophagus of a patient. The method may be used to treat gastroesophageal reflux disease by optimizing the closing function of the lower esophageal sphincter.

IPC 1-7

**A61P 1/04**; **A61F 2/08**; **A61F 2/20**; **A61L 27/40**; **A61L 31/12**

IPC 8 full level

**A61K 47/36** (2006.01); **A61K 31/74** (2006.01); **A61K 33/00** (2006.01); **A61K 33/24** (2006.01); **A61K 45/00** (2006.01); **A61K 47/42** (2006.01); **A61L 31/08** (2006.01); **A61L 31/12** (2006.01); **A61P 1/00** (2006.01); **A61P 1/04** (2006.01)

CPC (source: EP)

**A61L 31/084** (2013.01); **A61L 31/128** (2013.01); **A61P 1/00** (2017.12); **A61P 1/04** (2017.12)

Citation (search report)

See references of WO 03072196A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**WO 03072196 A1 20030904**; EP 1487539 A1 20041222; JP 2005524659 A 20050818

DOCDB simple family (application)

**US 0305691 W 20030224**; EP 03713667 A 20030224; JP 2003570938 A 20030224