

Title (en)

PROTEASE VACCINE AGAINST HEARTWORM.

Title (de)

PROTEASE IMPFSTOFF GEGEN DIROFILARIA IMMITIS.

Title (fr)

VACCIN A BASE DE PROTEASE ANTI-DIROFILARIA IMMITIS.

Publication

EP 0635058 A4 19941207 (EN)

Application

EP 92924400 A 19921112

Priority

- US 9209702 W 19921112
- US 79220991 A 19911112

Abstract (en)

[origin: WO9310225A1] The transition between the L3 and L4 larval stages of the nematode filarial parasites such as *Dirofilaria immitis* occurs after introduction into the animal host and is mediated by at least one metalloprotease and/or cysteine protease unique to the L3 or L4 larval stage. Methods to prevent and treat filarial infection are provided by vaccines comprised of the immunogenic determinants of the characteristic L3 or L4 proteases and by administration of inhibitors of these proteases.

IPC 1-7

C12N 15/57; **C12N 9/64**; **A61K 38/46**; **A61K 39/00**; **A61K 38/55**; **C07K 15/00**

IPC 8 full level

A61K 38/55 (2006.01); **A61K 39/002** (2006.01); **A61P 33/02** (2006.01); **A61P 33/10** (2006.01); **C12N 9/50** (2006.01); **C12N 9/64** (2006.01); **C12N 15/09** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP US)

A61P 33/02 (2018.01 - EP); **A61P 33/10** (2018.01 - EP); **C12N 9/6402** (2013.01 - EP); **C12N 9/641** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US); **C07K 2319/00** (2013.01 - EP); **G01N 2333/4353** (2013.01 - EP); **G01N 2333/95** (2013.01 - EP); **G01N 2333/96402** (2013.01 - EP); **Y02A 50/30** (2018.01 - EP)

Citation (search report)

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- See also references of WO 9310225A1

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DOCDB simple family (application)

US 9209702 W 19921112; AU 3072392 A 19921112; CA 2123420 A 19921112; EP 92924400 A 19921112; JP 50938293 A 19921112