

Title (en)

IMMUNOTHERAPEUTIC COMPOSITIONS FOR TREATING AND PREVENTING AIDS, ARC AND HIV INFECTION

Publication

**EP 0491888 A4 19920902 (EN)**

Application

**EP 91910648 A 19910523**

Priority

US 52918690 A 19900525

Abstract (en)

[origin: WO9118618A2] Immunotherapeutic, prophylactic and diagnostic compositions useful in treating or preventing diseases in humans caused by infective agents whose primary targets are T4<+> lymphocytes, including acquired immune deficiency syndrome, AIDS related complex and human immunodeficiency virus infection. DNA sequences that code for amino acid variants and derivatives of human CD4, or fragments thereof, that elicit in a human antibodies that bind to HIV gp120. Such DNA sequences are useful in the immunotherapeutic, prophylactic and diagnostic compositions of this invention. A novel screening method for selecting amino acid variants and derivatives of human CD4 that elicit in humans antibodies that bind to HIV gp120, human CD4, or both, useful as therapeutic, prophylactic and diagnostic agents for diseases caused by infective agents whose primary targets are T4<+> lymphocytes, including acquired immune deficiency syndrome, AIDS related complex and human immunodeficiency virus infection.

IPC 1-7

**A61K 37/02**

IPC 8 full level

**A61K 38/00** (2006.01); **A61K 39/395** (2006.01); **C07K 14/00** (2006.01); **C07K 14/73** (2006.01); **C07K 16/00** (2006.01); **C07K 16/28** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/85** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/70** (2006.01); **A61K 39/00** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP US)

**A01K 67/0278** (2013.01 - EP); **C07K 14/70514** (2013.01 - EP); **C07K 16/2812** (2013.01 - EP); **C12N 15/8509** (2013.01 - EP); **C12Q 1/703** (2013.01 - EP); **A01K 2207/15** (2013.01 - EP); **A01K 2217/00** (2013.01 - EP); **A01K 2227/105** (2013.01 - EP); **A01K 2267/0337** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US); **C12N 2830/008** (2013.01 - EP)

Citation (search report)

- [Y] EP 0330227 A2 19890830 - UNIV COLUMBIA [US], et al
- [Y] WO 8901940 A1 19890309 - BIOGEN INC [US]
- [X] CELL. vol. 60, 9 Mar
- [Y] @ the whole do
- [Y] THE JOURNAL OF EXPERIMENTAL MEDECINE vol. 170, O
- [X] SCIENTIFIC AMERICAN O
- [Y] SCIENCE. vol. 240, 10 June 1988, LANCASTER, PA US pages 1468 - 1474; JAENISH, R.: 'Transgeni
- [A] MOLECULAR BIOLOGY AND MEDECINE vol. 6, September 1989, ACADEMIC PRESS pages 255 - 261; YU, S. ET AL.: 'fun

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**WO 9118618 A2 19911212**; **WO 9118618 A3 19920416**; AU 7976791 A 19911231; CA 2062758 A1 19911126; EP 0491888 A1 19920701; EP 0491888 A4 19920902; JP H05502166 A 19930422; OA 09648 A 19930515

DOCDB simple family (application)

**US 9103460 W 19910523**; AU 7976791 A 19910523; CA 2062758 A 19910523; EP 91910648 A 19910523; JP 50998991 A 19910523; OA 60132 A 19920124