

(19)



(11)

**EP 1 866 339 B8**

(12)

**CORRECTED NEW EUROPEAN PATENT SPECIFICATION**

(15) Correction information:

**Corrected version no 1 (W1 B2)**  
**Corrections, see**  
**Bibliography INID code(s) 72**

(51) Int Cl.:

**C07K 16/28** <sup>(2006.01)</sup>      **A61P 35/00** <sup>(2006.01)</sup>  
**A61K 39/395** <sup>(2006.01)</sup>      **A61P 31/00** <sup>(2006.01)</sup>

(48) Corrigendum issued on:

**01.12.2021 Bulletin 2021/48**

(86) International application number:

**PCT/US2006/011114**

(45) Date of publication and mention of the opposition decision:

**15.09.2021 Bulletin 2021/37**

(87) International publication number:

**WO 2006/105021 (05.10.2006 Gazette 2006/40)**

(45) Mention of the grant of the patent:

**29.05.2013 Bulletin 2013/22**

(21) Application number: **06748745.4**

(22) Date of filing: **27.03.2006**

(54) **GITR BINDING MOLECULES AND USES THEREFOR**

GITR-BINDENDE MOLEKÜLE UND IHRE VERWENDUNG

MOLECULES DE LIAISON GITR ET LEURS UTILISATIONS

(84) Designated Contracting States:

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

(74) Representative: **Grund, Martin**

**Grund Intellectual Property Group**  
**Patentanwalt und Solicitor PartG mbB**  
**Postfach 44 05 16**  
**80754 München (DE)**

(30) Priority: **25.03.2005 US 665322 P**  
**03.06.2005 US 687265 P**

(56) References cited:

**WO-A-03/006058**

(43) Date of publication of application:

**19.12.2007 Bulletin 2007/51**

- **SHIMIZU JUN ET AL: "Stimulation of CD25+CD4+ regulatory T cell through GITR breaks immunological self-tolerance" NATURE IMMUNOLOGY, NATURE PUBLISHING GROUP,, GB, vol. 3, no. 2, 20 February 2002 (2002-02-20), pages 135-142, XP002247979 ISSN: 1529-2908 cited in the application**
- **KANAMARU FUMIKO ET AL: "Costimulation via glucocorticoid-induced TNF receptor in both conventional and CD25+ regulatory CD4+ T cells" JOURNAL OF IMMUNOLOGY, vol. 172, no. 12, 15 June 2004 (2004-06-15), pages 7306-7314, XP009076431 ISSN: 0022-1767**

(60) Divisional application:

**10181638.7 / 2 343 320**

(73) Proprietor: **GITR, Inc.**

**Cambridge, MA 02141 (US)**

(72) Inventors:

- **SMITH, L., Mary**  
**Dedham, Massachusetts 02026 (US)**
- **SZYMANSKA, Grazyna**  
**Dedham, Massachusetts 02026 (US)**
- **PONATH, Paul**  
**San Francisco, CA 94114 (US)**
- **ROSENZWEIG, Michael**  
**Boston, Massachusetts 02118 (US)**
- **PONTE, Jose, F.**  
**Hanover, MA 02339 (US)**

**EP 1 866 339 B8**

- NOCENTINI G ET AL: "A NEW MEMBER OF THE TUMOR NECROSIS FACTOR/NERVE GROWTH FACTOR RECEPTOR FAMILY INHIBITS T CELL RECEPTOR-INDUCED APOPTOSIS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, DC, US, vol. 94, no. 12, June 1997 (1997-06), pages 6216-6221, XP002061244 ISSN: 0027-8424 cited in the application
- KO KUIBEOM ET AL: "Treatment of advanced tumors with agonistic anti-GITR mAb and its effects on tumor-infiltrating Foxp3(+)/CD25(+)/CD4(+) regulatory T cells" JOURNAL OF EXPERIMENTAL MEDICINE, vol. 202, no. 7, October 2005 (2005-10), pages 885-891, XP009076415 ISSN: 0022-1007
- GURNEY A L ET AL: "IDENTIFICATION OF A NEW MEMBER OF THE TUMOR NECROSIS FACTOR FAMILY AND ITS RECEPTOR, A HUMAN ORTHOLOG OF MOUSE GITR" CURRENT BIOLOGY, CURRENT SCIENCE, GB, vol. 9, no. 4, 15 February 1999 (1999-02-15), pages 215-218, XP002952071 ISSN: 0960-9822
- KWON BYUNGSUK ET AL: "Identification of a novel activation-inducible protein of the tumor necrosis factor receptor superfamily and its ligand" JOURNAL OF BIOLOGICAL CHEMISTRY, THE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, INC., US, vol. 274, no. 10, 5 March 1999 (1999-03-05), pages 6056-6061, XP002147323 ISSN: 0021-9258
- LITTLE M ET AL: "Of mice and men: hybridoma and recombinant antibodies" IMMUNOLOGY TODAY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 21, no. 8, 1 August 2000 (2000-08-01), pages 364-370, XP004215163 ISSN: 0167-5699
- DAVIES J ET AL: "Affinity improvement of single antibody VH domains: residues in all three hypervariable regions affect antigen binding" IMMUNOTECHNOLOGY, ELSEVIER SCIENCE PUBLISHERS BV, NL, vol. 2, no. 3, September 1996 (1996-09), pages 169-179, XP004070292 ISSN: 1380-2933
- HOLT L J ET AL: "Domain antibodies: proteins for therapy" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 21, no. 11, November 2003 (2003-11), pages 484-490, XP004467495 ISSN: 0167-7799
- BALINT R F ET AL: "ANTIBODY ENGINEERING BY PARSIMONIOUS MUTAGENESIS" GENE, ELSEVIER, AMSTERDAM, NL, vol. 137, no. 1, 27 December 1993 (1993-12-27), pages 109-118, XP002031537 ISSN: 0378-1119

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification