Title (en)

METHODS FOR MAKING FULLY HUMAN BISPECIFIC ANTIBODIES USING A COMMON LIGHT CHAIN

Title (de)

VERFAHREN ZUR HERSTELLUNG VOLLSTÄNDIG MENSCHLICHER BISPEZIFISCHER ANTIKÖRPER UNTER VERWENDUNG EINER GEMEINSAMEN LEICHTEN KETTE

Title (fr)

PROCÉDÉS POUR PRÉPARER DES ANTICORPS BISPÉCIFIQUES ENTIÈREMENT HUMAINS EN UTILISANT UNE CHAÎNE LÉGÈRE COMMUNE

Publication

EP 2854523 A1 20150408 (EN)

Application

EP 13729875 A 20130605

Priority

- US 201213488628 A 20120605
- US 2013044257 W 20130605

Abstract (en)

[origin: WO2013184761A1] A genetically modified mouse is provided, wherein the mouse expresses an immunoglobulin light chain repertoire characterized by a limited number of light chain variable domains. Mice are provided that express just one or a few immunoglobulin light chain variable domains from a limited repertoire in their germline. Methods for making bispecific antibodies having universal light chains using mice as described herein, including human light chain variable regions, are provided. Methods for making human variable regions suitable for use in multispecific binding proteins, e.g., bispecific antibodies, and host cells are provided. Bispecific antibodies capable of binding first and second antigens are provided, wherein the first and second antigens are separate epitopes of a single protein or separate epitopes on two different proteins are provided.

IPC 8 full level

A01K 67/027 (2006.01); **C07K 16/00** (2006.01); **C07K 16/40** (2006.01); **C12N 15/85** (2006.01)

CPC (source: CN EP KR)

A01K 67/0278 (2013.01 - EP KR); **C07K 16/00** (2013.01 - CN EP); **C07K 16/40** (2013.01 - CN EP KR); **C07K 16/468** (2013.01 - KR); **C12N 15/8509** (2013.01 - EP); A01K 2207/15 (2013.01 - EP); A01K 2217/072 (2013.01 - EP); A01K 2217/15 (2013.01 - EP); A01K 2227/105 (2013.01 - EP); A01K 2267/01 (2013.01 - EP); C07K 2317/21 (2013.01 - CN EP KR); C07K 2317/24 (2013.01 - CN EP KR); C07K 2317/31 (2013.01 - CN EP KR); C07K 2317/33 (2013.01 - CN EP KR); C07K 2317/51 (2013.01 - CN EP KR); C07K 2317/56 (2013.01 - CN EP KR); C07K 2317/565 (2013.01 - CN EP); C07K 2317/567 (2013.01 - CN EP); C07K 2317/76 (2013.01 - CN EP KR); C07K 2317/92 (2013.01 - CN EP KR)

Citation (search report)

See references of WO 2013184761A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013184761 A1 20131212; AU 2013271737 A1 20150122; CA 2874846 A1 20131212; CN 104582476 A 20150429; CN 104582476 B 20170308; EP 2854523 A1 20150408; HK 1208994 A1 20160324; IL 235781 A0 20150129; JP 2015525071 A 20150903; KR 20150023535 A 20150305; MX 2014014891 A 20150617; RU 2014153674 A 20160727; SG 10201609535T A 20170127; SG 11201407644U A 20141230

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US 2013044257 W 20130605; AU 2013271737 A 20130605; CA 2874846 A 20130605; CN 201380030014 A 20130605; EP 13729875 A 20130605; HK 15109745 A 20151006; IL 23578114 A 20141118; JP 2015516160 A 20130605; KR 20147036869 A 20130605; MX 2014014891 A 20130605; RU 2014153674 A 20130605; SG 10201609535T A 20130605; SG 11201407644U A 20130605