

Recent patent applications in antibody fragments

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
WO 2009126730, WO 2009126730	A method of preparing nucleotides of single-chain variable fragments encoding an antigen-specific binding domain by amplifying the variable regions of the antibody's heavy chain and the lambda and kappa light chains using PCR with a set of primers.	University of Pennsylvania (Philadelphia)	Mason N	4/9/2008	10/15/2009, 12/30/2009
US 20090297439	An immuno-imaging agent for the detection of a tumor in a subject, comprising an anti-Met monoclonal antibody, its fragment and a genetically engineered/humanized antibody containing the epitope binding region or complementarity-determining regions of the antibody.	Metheresis Translational Rresearch (Lugano, Switzerland)	Carminati P, Comoglio PM, van Dongen G	6/2/2008	12/3/2009
FR 2931481, WO 2009141458	New isolated antibodies or at least one of their functional fragments, which is specific to an epitope comprising at least one lysyl compound useful, e.g., for detecting epitope in a sample <i>in vitro</i> or <i>in vivo</i> .	Covalab (Villeurbanne, France)	Ceylan I, El Alaoui EBS, Thomas V	5/23/2008	11/27/2009, 11/26/2009
WO 2009138714	A method for the separation of a fragment antibody, e.g., single-chain variable fragment, involving contacting a medium containing the fragment antibody with a synthetic affinity ligand attached to a support matrix under conditions where the fragment antibody binds to the ligand.	Avecia Biologics (Manchester, UK)	Liddell JM	5/16/2008	11/19/2009
FR 2929519, WO 2009136031	Use of a monoclonal antibody secreted by a hybridoma or its functional fragments to prepare a medicament to inhibit the growth of a primary tumor for early cancer treatment where the cancer is, e.g., colon, lung prostate cancer.	Pierre Fabre Medicament (Boulogne, France)	Haeuw JF	4/4/2008	10/9/2009, 11/12/2009
US 20090269277	A method for delivering an agent useful for diagnosing or treating, e.g., cancer or cardiovascular disease, by administering a hexameric stably tethered structure comprising the agent, an IgG antibody and antibody fragments or cytokines to the subject.	IBC Pharmaceuticals (Morris Plains, NJ, USA)	Chang C, Goldenberg DM, Rossi EA	10/19/2005	10/29/2009
WO 2009129521	An antigen composition for early detection of <i>Mycobacterium tuberculosis</i> or immunizing against infection, comprising, e.g., <i>M. tuberculosis</i> proline threonine repetitive protein fragments having specific sequences that bind antibody specific for protein.	New York University (New York)	Laal S, Zolla-Pazner S	4/19/2008	10/22/2009
WO 2009127046	A new antibody or an antigen-binding fragment comprising a complementarity-determining region Gly-X1e-X2e-X3e-X4e-X5e-X6e-X7e-X8e-His (SEQ ID NO. 65); useful for reducing the growth of prostate tumor cells.	ProScan Rx Pharma (Montreal)	Cuello AC, Gold P, Melancon D, Moffett S, Saragovi HU	4/14/2008	10/22/2009
WO 2009099545, US 20090202557	A method of preparing crystals of an antigen-binding fragment (Fab) of an antibody, comprising mixing the Fab with a reservoir solution comprising polyethylene glycol (PEG) and a buffer.	Abbott Bioresearch (Worcester, MA, USA)	Argiriadi MA, Borhani DW, Ghayur T, Wu C, Xiang T	1/30/2008	8/13/2009, 8/13/2009
WO 2009092014	Purifying a nonaggregated antibody or an immunoreactive antibody fragment from an impure preparation containing the antibody or antibody fragment, comprising contacting the impure preparation with an apatite chromatography support.	Gagnon PS	Gagnon PS	1/18/2008	7/23/2009
KR 2009011215	A surface expression vector expressing short-chain variable fragments of porcine epidemic diarrhea virus (PEDV)-neutralizing antibody encoded by a gene having a defined sequence of 777 amino acids (Seq. id. no. 1) on membrane surface of bacteria; useful for expressing short-chain variable fragments of PEDV-neutralizing antibody on the surface of <i>Escherichia coli</i> , where the bacteria is useful in composition for preventing or treating diarrhea.	Republic of Korea Ministry of Agriculture and Forestry (Seoul)	Cho S, Hyun B, Kim I, Kim S, Pyo H, Song J	7/25/2007	2/2/2009

Source: The status of each application is slightly different from country to country. For further details, contact Thomson Scientific, 1800 Diagonal Road, Suite 250, Alexandria, Virginia 22314, USA. Tel: 1 (800) 337-9368 (<http://www.thomson.com/scientific>).