

Recent patent applications related to molecular cloning

Patent #	Subject	Assignee	Inventor(s)	Priority application date	Publication date
WO 200387330	A new bacterial artificial chromosome (BAC) comprising an entire viral genome in a circular form with a head-to-tail concatamer junction and sequences for plasmid replication in <i>Escherichia coli</i> inserted in the viral genome in a nonessential site; useful in a VAC-BAC shuttle vector system for creating recombinant poxviruses from the DNA cloned from BAC.	US Government	Domi A, Moss B	8/9/2002	10/23/2003
WO 200383075	A method for analyzing genomic DNA clones, particularly the expression and screening of genomic DNA sequences encoding uncharacterized genes and proteins comprising retrovirus-based genomic screening.	Gala Design (Middleton, WI, USA)	Bleck GT, Bremel RD, Eakle K, Imboden M	3/26/2003	10/9/2003
WO 200378582	A method for identifying a novel nucleotide sequence, comprising obtaining a sequence for a portion of the DNA clone, where the length of the sequence is less than one-third of the length of the clone; useful for characterizing genetic diversity in an organism, and for identifying bacterial genes with commercial relevance.	Athenix (Durham, NC, USA)	Carozzi N, Carr B, Duck NB, Hargiss T, Koziel MG	3/11/2002	9/25/2003
JP 2003250563	A method of inserting DNA into a recipient genome; useful for inserting the DNA fragment which is used as scaffold in the <i>Bacillus subtilis</i> genome for cloning DNA.	Mitsubishi Chemical Corp. (Tokyo)	–	3/1/2002	9/9/2003
US 20030157661	A <i>de novo</i> synthesized plasmid comprising at least a replication origin and a selection marker gene; useful for making other plasmids or for DNA cloning, amplification, gene expression, gene therapy or DNA immunization.	Expression Technologies (San Diego, CA, USA)	Li C	2/6/2002	8/21/2003
ES 2189608	A method of producing an immunostimulant for fish farming consisting of the molecular cloning of an interleukin-1 β recombinant of <i>Sparus aurata</i> L., for use in vaccination.	University of Murcia (Spain)	–	11/28/2000	7/1/2003
DE 10160600	A vector comprising a nuclease sequence that kills cells unless inactivated by the insertion of a coding sequence; useful for cloning by positive selection of clones containing DNA inserts.	GL BioTech (Bremen, Germany)	Graupner S	12/10/2001	6/26/2003
US 20030104388	A new isolated DNA coding for the <i>As</i> /SI restriction endonuclease or <i>As</i> /SI methylase; useful for cleaving DNA molecules into small fragments for molecular cloning and gene characterization.	New England Biolabs (Beverly, MA, USA)	Xu S, Zhou J, Zhu Z	9/20/2001	6/5/2003
EP 1298212	An isolated DNA segment coding for the <i>Bsm</i> BI restriction endonuclease and/or <i>Bsm</i> BI methylase obtainable from <i>Bacillus stearothermophilus</i> B61; useful in molecular cloning and gene characterization.	New England Biolabs (Beverly, MA, USA)	Dore A, Hume A, Pelletier J, Xu S, Zhou J, Pelletier J	9/28/2001	4/3/2003
US 20030017594	A method for cloning DNA molecules in cells comprising employing RecT-mediated homologous recombination within chemically competent cells.	Francis SA; Joep MPP; Youming Z; Muijrrers JPP; Stewart FA; Zhang Y	Francis SA, Joep MPP, Youming Z, Muijrrers JPP, Stewart FA, Zhang Y	7/20/2001	1/23/2003

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