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(54) Title: **BOVINE PREGNANCY TESTING**

(57) Abstract: An antibody to a bovine early pregnancy factor is produced and isolated. It is used as a diagnostic assay to determine pregnancy in cattle. The pregnancy test is performed using a test device which contains immobilized antibody to the bovine early pregnancy factor. In addition, a liquid sampling device which allows only a predetermined amount of biological liquid sample to contact the test device is provided.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01N 33/533 US CL : 435/7.1, 7.2, 7.3, 7.4; 436/518, 547 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/7.1, 7.2, 7.3, 7.4; 436/518, 547 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	MILLIPORE. Millipore Direct Catalog. 1991. Pages 224-225	58-64
Y	US 5,646,003 A (BARNEA et al) 08 July 1997(08.07.97), see entire document.	1-57, 65-89
Y,P	US 5,981,198 A (BARNEA et al) 09 November 1999(09.11.99), see entire document.	1-57, 65-89
Y	WO 88/08534 A1 (UNILEVER PLC) 03 November 1988(03.11.88), see entire document.	1, 3-7, 14, 16-22, 29, 31-36
Y	US 4,877,742 A (MALY et al) 31 October 1989(31.10.89), see entire document.	1-57, 65-89
☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer BAO-THUY L. NGUYEN Telephone No. (703) 308-0196

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Database BIOSIS. Accession No. 1995:461859, YOSHIOKA et al. Application of anti-bovine CD2 monoclonal antibody to the rosette inhibition test for detection of early pregnancy factor in cattle. Abstract, Journal of Veterinary Medical Science. 1995. Vol. 57, No. 4, pages 721-725.	1-89
A	Database BIOSIS. Accession No. 1996:156058, HONTA et al. Influence of anti-bovine early pregnancy factor antibody on embryonic development and implantation in rats. Abstract, Journal of Reproduction and Development. 1995. Vol. 41, No. 2, pages 159-163.	1-89
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Y	Database BIOSIS. Accession No. 1994:177968, ITO et al. Bovine early pregnancy factor: Its characterization and an attempt to produce anti-bovine EPF antibody. Abstract, Journal of Reproduction and Development. 1993. Vol. 39, No. 4, pages 309-317.	1-89
Y	Database CAPLUS. Accession No. 1992:486109, ITO et al. Purification of early pregnancy factor from cattle sera. Abstract, Anim. Sci. Technol. 1992. Vol. 63, No. 4, pages 394-397.	1-89
Y	Database CAPLUS. Accession No. 1994:294959, ITO et al., Bovine early pregnancy factor: purification and biochemical examination. J. Reprod. Dev. 1992. Vol. 38, No. 6, pages j38-j48.	1-89
Y	WO 86/05498 A1 (UNIVERSITY OF QUEENSLAND) 25 September 1986(25.09.86), see entire document.	1-89
Y	WO 88/04779 A1 (UNIVERSITY OF QUEENSLAND) 30 June 1988(30.06.88), see entire document.	1-89