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(54) Title: METHODS OF EXPRESSING, PURIFYING AND CHARACTERIZING CONCAVALIN A, MUTANTS THEREOF, AND SENSORS INCLUDING THE SAME

(57) Abstract: A novel method for purifying various lectins is disclosed. More specifically a novel method for purifying Concanavalin A is set forth. Methods of expressing purifying and characterizing a mutant Concanavalin A, and sensors including the foregoing are also disclosed.



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# INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC: G01N 33/53( 2006.01);C07K 1/00( 2006.01);C12P 21/06( 2006.01)  USPC: 435/69.1;530/350;436/827 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/69.1;530/350;436/827  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) CAS ONLINE, USPG-PUB, USPAT, EPO, JPO, DERWENT, PubMed		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,889,842 (Morris et al) 26 December 1989 (26.12.1989), entire document.	1,2, 5--8
X	Stubbs et al. Production of Pea Lectin in Escherishia coli. J. Biol. Chem. May 1986, Vol 261. No.14, pages 6141-6144.	11-20, 22-25, 28, 30,31,32, 35.
X	US 5,342,789 (Chick et al) 30 August 1994 (30.08.1994), entire document especially claims 26-28.	37, 40, 41, 42
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