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(54) Title: LISTERIA-BASED EPHA2 VACCINES

(57) Abstract: The present invention relates to methods and compositions designed for the treatment, management, or prevention of cancer, particularly metastatic cancer and cancers of T cell origin, and hyperproliferative diseases involving EphA2-expressing cells. The methods of the invention entail the use of a *Listeria*-based EphA2 vaccine. The invention also provides pharmaceutical compositions comprising one or more *Listeria*-based vaccines of the invention either alone in combination with one or more other agents useful for cancer therapy. In certain aspects of the invention, the method entail eliciting both CD4<sup>+</sup> and CD8<sup>+</sup> T-cell responses against EphA2 and/or EphA2-expressing cells.

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# INTERNATIONAL SEARCH REPORT

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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/200.1, 234.1; 435/172.1, 252.3; 530/350 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, DIALOG		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/12840 A2 (PURDUE RESEARCH FOUNDATION) 22 February 2001 (22.02.2001), see entire document.	1-39
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer, <i>Jennifer E. Graser</i> Jennifer E. Graser Telephone No. 571-272-0500