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(54) **Peptide epitopes recognized by disease promoting CD4+ T lymphocytes**

(57) The invention provides methods for identifying peptide epitopes that activate CD4+ T cells involved in the pathogenesis of diseases, e.g., autoimmune disease, susceptibility to which is determined by expression of particular class II MHC genes. The invention includes pep-

tides derived from the IA-2 polypeptide by such a method, altered peptide ligands, and methods of therapy involving the use of altered peptide legends.

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EUROPEAN SEARCH REPORT

 Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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2 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 3 March 2011	Examiner Jacques, Patrice
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82