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(54) Title: **METHODS FOR QUANTITATIVE PROTEOME ANALYSIS OF GLYCOPROTEINS**

(57) Abstract: The invention provides a method for identifying and quantifying polyglycopeptides in a sample. The method can include the steps of immobilizing glycopolypeptides to a solid support; cleaving the immobilized glycopolypeptides, thereby releasing non-glycosylated peptides and retaining immobilized glycopeptides; releasing the glycopeptides from the solid support; and analyzing the released glycopeptides. The method can further include the step of identifying one or more glycopeptides, for example, using mass spectrometry.



WO 2008/066629 A3

## INTERNATIONAL SEARCH REPORT

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<b>B FIELDS SEARCHED</b>		
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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, Chem Abstracts, Biosys		
<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	WO 03/102018 A2 (AEBERSOLD et al ) 11 December 2003 (11 12 2003), see the claims	1-56
A	US 7, 183, 118 B2 (AEBERSOLD et al ) 27 February 2007 (27 02 2007)	1-56
A	US 2007/009925 1 A1 (ZHANG et al ) 03 May 2007 (03 05 2007), see paragraph 88	1 56
A	US 2004/02483 17 A1 (SWAMY et al ) 09 December 2004 (09 12 2004)	1-56
X	ZHANG H et al Isolation of Glycoproteins and Identification of Their N-Linked Glycosylation Sites Methods in Molecular Biology Vol 328, pages 177- 185, 2006	1-56
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex		
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