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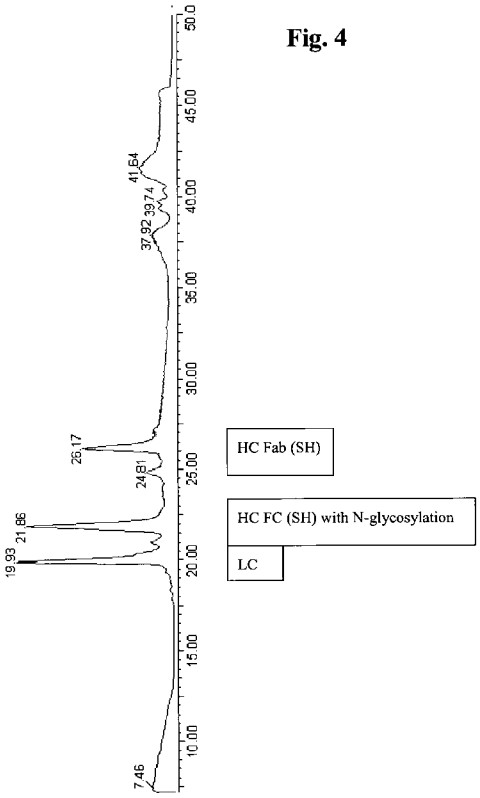


Fig. 4

(57) Abstract: The current invention is directed to a method for the determination of the glycosylation pattern of a human immunoglobulin of the subclass IgG1 or IgG4 or of a murine immunoglobulin of the subclass IgG2a or IgG3 comprising the following steps: a) cleaving said immunoglobulin into fragments by enzymatic digestion with the enzyme IdeS, b) separating the fragments of said immunoglobulin obtained by the enzymatic digestion by reversed phase high performance liquid chromatography, c) subjecting the separated fragments of said immunoglobulin obtained in step b) to a mass spectrometric analysis, and d) determining the glycosylation pattern of said immunoglobulin from the mass spectrometric data obtained in step c).

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