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(71) Applicant *(for all designated States except US)*: **THE CLEVELAND CLINIC FOUNDATION** [US/US]; 9500 Euclid Avenue, Cleveland, OH 44195 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **RUDICK, Richard, A.** [US/US]; 5067 Boulder Creek, Solon, OH 44139 (US). **RANSOHOFF, Richard, M.** [US/US]; 19850 Marchmont Road, Shaker Heights, OH 44122 (US).

(74) Agent: **WESORICK, Richard, S.**; Tarolli, Sundheim, Covell & Tummino L.L.P., 1300 East Ninth Street, Suite 1700, Cleveland, OH 44114 (US).

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(54) **Title**: METHOD FOR PREDICTING A THERAPY RESPONSE IN SUBJECTS WITH MULTIPLE SCLEROSIS

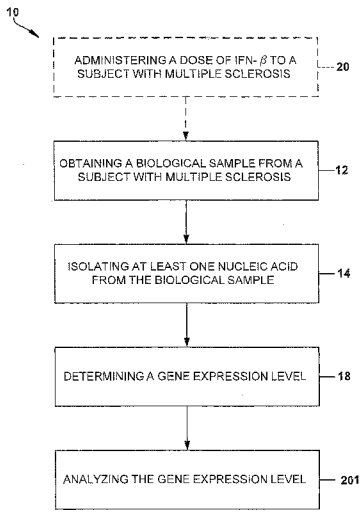


Fig. 1

(57) **Abstract**: A method is provided for determining the efficacy of interferon -beta (IFN-β) therapy in a subject with multiple sclerosis. One step of the method can include obtaining a biological sample from the subject. After obtaining the biological sample, the expression level of at least one interferon-regulated gene (IRG) and/or variant thereof can be determined. Increased or decreased expression of the at least one IRG and/or variant thereof as compared to a control may indicate that the subject will respond poorly to IFN-β therapy.

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