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(54) **Title:** B-CELL DEPLETING AGENTS, LIKE ANTI-CD20 ANTIBODIES OR FRAGMENTS THEREOF FOR THE TREATMENT OF CHRONIC FATIGUE SYNDROME

(57) **Abstract:** The present invention relates in a first aspect to a B-cell depleting anti-CD20 antibody or a CD20-binding antibody fragment thereof for the treatment of chronic fatigue syndrome and myalgic encephalomyelitis. In particular, the present invention relates to the use of anti-CD20 monoclonal antibodies or fragments thereof which are preferably humanized for the treatment of chronic fatigue syndrome/myalgic encephalomyelitis in a subject afflicted with said disease.

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