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(71) Applicant: **SERVATUS LTD** [AU/AU]; 14 Lomandra Place, Coolumb Beach, Queensland 4573 (AU).

(72) Inventor: **FINLAYSON, Wayne**; 1 Brushbox Way, Peregrine Springs, Queensland 4573 (AU).

(74) Agent: **DAVIES COLLISON CAVE PTY LTD**; Level 14, 255 Elizabeth Street, Sydney, New South Wales 2000 (AU).

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(54) Title: COMBINATION THERAPY FOR INFLAMMATORY DISORDERS OF THE JOINTS

(57) Abstract: Disclosed herein are methods for treating inflammatory disorders of the joints, optionally rheumatoid arthritis, or at least one symptom thereof, comprising administering to a subject in need thereof an effective amount of: an immunosuppressant; and one or more *Lactobacillus* species selected from *Lactobacillus buchneri*, *Lactobacillus paracasei*, *Lactobacillus zeae*, *Lactobacillus rami*, *Lactobacillus parafarraginis*, and *Lactobacillus diolivorans*, and/or a culture supernatant or cell free filtrate derived from culture media in which said one or more *Lactobacillus* species has been cultured. In particular embodiments, the method comprises the administration of a combination of an immunosuppressant, *Lactobacillus buchneri*, *Lactobacillus paracasei* and *Lactobacillus zeae*.



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