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**(54) Title:** PHOTOPHERESIS TREATMENT OF LEUKOCYTES

**(57) Abstract**

A method of treating infections of mononuclear blood cells, other than retroviral infections, is disclosed. A method of modulating the function of monocytes is also disclosed. The method involves the treatment of a patient's blood with a photoactivatable compound followed by ultraviolet light activation of the photoactivatable compound. The blood treated as such is returned to the patient in a process known as extracorporeal photopheresis. Monocyte function is modulated by this treatment.