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(54) Title: USE OF PARVOVIRUS CAPSID PARTICLES IN THE INHIBITION OF CELL PROLIFERATION AND MIGRATION

(57) Abstract: The invention described herein relates to the discovery of methods and compositions for the inhibition of growth and/or migration of cells that have the P antigen, including but not limited to, cells of hematopoietic origin and endothelial cells. More specifically, parvovirus capsid particles or fragments of parvovirus capsid proteins are used to manufacture medicaments that can be administered to a subject to inhibit hematopoietic progenitor cell growth (e.g., prior to stem cell transplantation), endothelial cell growth, (e.g., as an anti-tumorigenesis treatment or to prevent restenosis or fibrotic build up following prosthetic implantation), or to prevent disorders that involve the abnormal proliferation of cells that have the P antigen (e.g., polycytemia vera).