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(71) Applicant *(for all designated States except US)*: **UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL** [US/US]; 300 South Street, Suite 400, Shrewsbury, MA 01545-4169 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **MORRISON, Trudy, G.** [US/US]; 26 Cold Harbor Drive, Northborough, MA 01532 (US). **PANTUA, Homer, D.** [PH/US]; 78 Waverly Street, Apt. 1R, Worester, MA 01604 (US).

(74) Agents: **CARROLL, Peter, G.** et al.; MEDLEN & CARROLL, LLP, 101 Howard Street, Suite 350, San Francisco, CA 94105 (US).

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(54) Title: VIRUS-LIKE PARTICLES AS VACCINES FOR PARAMYXOVIRUS

(57) Abstract: The present invention discloses the method of making and using a novel, non-infective, paramyxovirus vaccine. Paramyxovirus structural proteins within a virus-like particle (VLP) comprise one example of such a vaccine. It is observed that the presence of matrix protein, alone, is sufficient and necessary to provide an effective VLP release. Co-expression of four paramyxovirus structural proteins, however, result in the release of non-infective VLPs with densities and efficiencies of release similar to that of infective particles. Representative diseases wherein a VLP vaccine might be useful include, but are not limited to, Newcastle disease, measles, respiratory syncytial virus infection, and parainfluenza 3 virus infection.