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(71) Applicant: **LIFE TECHNOLOGIES CORPORATION** [US/US]; 5791 Van Allen Way, Carlsbad, California 92008 (US).

(72) Inventor: **AGNEW, Brian**; Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008 (US).

(74) Agent: **GEAHIGAN, Karen**; Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008 (US).

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(54) Title: METHODS FOR INCREASING THE INFECTIVITY OF VIRUSES

(57) Abstract: Methods of using viruses labeled with alkyne-modified biomolecules, such as fatty acids, carbohydrates and lipids, to treat a plant, an insect or an animal infected with a virus or to increase the infectivity of a virus, such as the human immunodeficiency virus, are provided. Also provided are methods of labeling a virus, such as human immunodeficiency virus, with an alkyne-modified biomolecule, such as a fatty acid, a carbohydrate, or an isoprenoid lipid. The viruses labeled with alkyne-modified biomolecules may be combined with a pharmaceutically acceptable excipient to produce a pharmaceutical composition, optionally containing another anti-viral agent and/or a delivery agent, such as a liposome.