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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
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(54) Title: CAT ALLERGEN FUSION PROTEINS AND USES THEREOF

(57) Abstract: The present invention is in the fields of medicine, public health, immunology, molecular biology and virology. The invention provides compositions comprising a virus-like particle (VLP) or a virus particle and at least one antigen, particularly at least one feline antigen, and more particularly at least one feline antigen that is a human allergen. In certain embodiments, the antigen is a Fel d1 antigen or a fragment thereof, covalently linked to the VLP. The invention also provides methods for producing the compositions. The compositions of the invention induce efficient immune responses, in particular antibody responses, in mammals, particularly humans. The compositions and methods of the invention are useful in the production of vaccines, in particular for the treatment and/or prevention of allergies to cat dander and other cat antigens and allergens.

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