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(54) **FILOVIRUS FUSION PROTEINS AND THEIR USES**

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(57) **ABSTRACT**

This invention provides fusion proteins comprising a Filovirus glycoprotein segment and an immunoglobulin polypeptide segment. The fusion proteins are useful in immunogenic compositions to protect against infections by Filoviruses, such as Ebola virus, in both humans and non-human animals. The fusion proteins are also useful in diagnostic assays to detect Filovirus infections.