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(71) Applicant: **FERRING VENTURES SA** [CH/CH]; Route de Berne 52, c/o Fiduciaire Michel Favre SA, 1010 Lausanne (CH).

(72) Inventor; and

(71) Applicant: **GALIBERT, Lionel** [FI/FI]; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH).

(72) Inventors: **AIRENNE, Kari**; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH). **ERIKSSON, Reetta**; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH). **HYVÖNEN, Amira**; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH). **LESCH, Hanna**; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH). **ALBERS, Justin Darius**; c/o Fiduciaire Michel Favre SA, Route de Berne 52, 1010 Lausanne (CH).

(74) Agent: **WITMANS, H.A.**; V.O., P.O. Box 87930, 2508 DH Den Haag (NL).

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(54) Title: IMPROVED ADENO-ASSOCIATED VIRUS GENE THERAPY VECTORS

(57) Abstract: "MAAP" is a naturally-occurring, newly-discovered about 13 KDa adeno-associated virus protein. It is not homologous to known proteins. When AAV producer cells are cultured for more than 24 hours, we found that inactivating translation of the full-length MAAP improves the productivity of the transfected producer cells. The resulting AAV viruses are also of better quality and more stable. Our findings thus provide a way to improve the industrial manufacture of recombinant adeno-associated virus gene therapy vectors.

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