



(51) International Patent Classification:

A61P 27/16 (2006.01) A61K 9/51 (2006.01)
A61K 9/00 (2006.01) A61K 48/00 (2006.01)
A61K 9/08 (2006.01) C07K 16/22 (2006.01)
A61K 9/19 (2006.01)

(21) International Application Number:

PCT/US2021/061205

(22) International Filing Date:

30 November 2021 (30.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/120,189 01 December 2020 (01.12.2020) US
63/152,832 23 February 2021 (23.02.2021) US

(71) Applicant: **AKOUOS, INC.** [US/US]; 645 Summer Street,
Suite 200, Boston, Massachusetts 02210 (US).

(72) Inventors: **SIMONS, Emmanuel, John**; 7 Stetson Street,
Brookline, Massachusetts 02446 (US). **NG, Robert**; 47 Lin-
coln Road, Unit 1, Newton, Massachusetts 02458 (US).
MCKENNA, Michael; 100 Pier 4 Blvd., Apt 1013, Boston,
Massachusetts 02210 (US).

(74) Agent: **KAUR, Mandeep** et al.; Choate, Hall & Ste-
wart LLP, Two International Place, Boston, Massachusetts
02110 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: ANTI-VEGF ANTIBODY CONSTRUCTS AND RELATED METHODS FOR TREATING VESTIBULAR SCHWAN-
NOMA ASSOCIATED SYMPTOMS

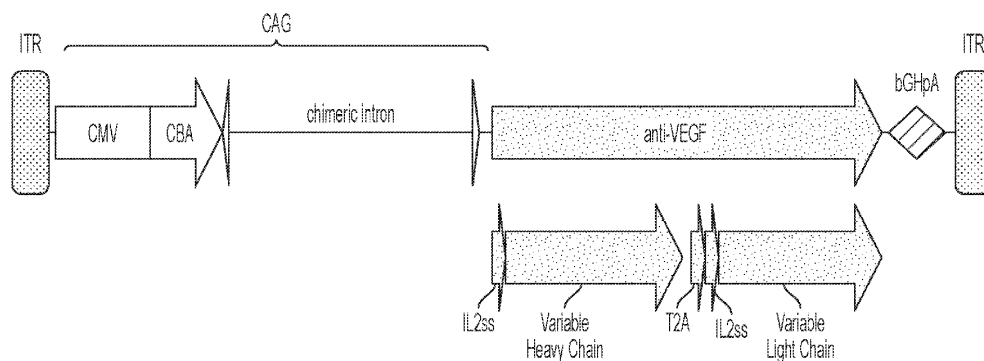


FIG. 6A

(57) Abstract: The present disclosure provides a construct comprising a coding sequence operably linked to a promoter, wherein the coding sequence encodes a vascular endothelial growth factor (VEGF) binding agent or a portion thereof. In some embodiments, a construct is an AAV construct. In some embodiments, an AAV construct is a part of an AAV particle. Compositions comprising constructs and AAV particles described herein can be useful in treating hearing loss, for example, hearing loss associated with vestibular schwannoma.

[Continued on next page]

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *with sequence listing part of description (Rule 5.2(a))*