

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 January 2023 (12.01.2023)



(10) International Publication Number
WO 2023/279197 A1

(51) International Patent Classification:

G06V 10/764 (2022.01) G06N 20/00 (2019.01)
A61D 99/00 (2006.01) G06V 40/10 (2022.01)

(21) International Application Number:

PCT/CA2022/050823

(22) International Filing Date:

24 May 2022 (24.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/218,819 06 July 2021 (06.07.2021) US

(71) Applicant: SYLVESTER.AI INC. [CA/CA]; #800, 112 4 Ave SW, Calgary, Alberta T2P 0H3 (CA).

(72) Inventors: SHARMA, Harsh; #800, 112 4 Ave SW, Calgary, Alberta T2P 0H3 (CA). KOTTAYIL, Navaneeth Kamballur; #800, 112 4 Ave SW, Calgary, Alberta T2P 0H3 (CA). BECKER, Richard J.; #800, 112 4 Ave SW, Calgary, Alberta T2P 0H3 (CA). GROENEVELD, Susan Marie; #800, 112 4 Ave SW, Calgary, Alberta T2P 0H3 (CA).

(74) Agent: BUONASSISI, Alexander D. et al.; 480 - 601 West Cordova Street, Vancouver, British Columbia V6B 1G1 (CA).

(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, IQ, IR, IS, IT, JM, 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: FELINE COMFORT LEVEL CLASSIFICATION SYSTEM AND METHOD

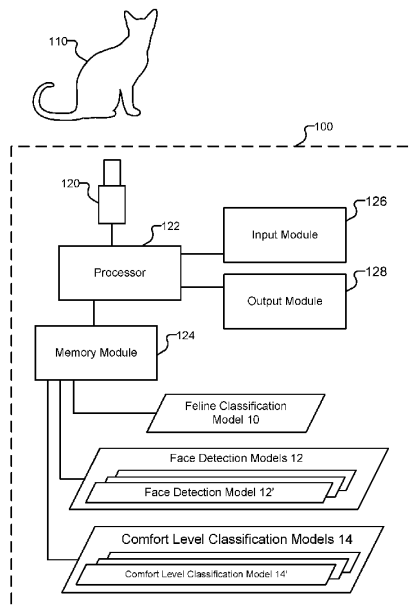


FIG. 1

(57) Abstract: Disclosed herein is a method for generating a feline comfort level classification, the method comprising: receiving one or more images of a feline; generating a feline classification from the images with a feline classification model, wherein the feline classification corresponds to a feline type; selecting a face detection model from one or more face detection models, wherein the selected face detection model corresponds to the feline type; generating a positive facial indication for one or more of the images with the selected face detection model; selecting a comfort level classification model from one or more comfort level classification models, wherein the selected comfort level classification model corresponds to the feline type; and generating a feline comfort level classification from the images with the selected comfort level classification model.

WO 2023/279197 A1

[Continued on next page]

Published:

— with international search report (Art. 21(3))