

Title (en)
METHODS AND SYSTEMS FOR LOW LIGHT MEDIA ENHANCEMENT

Title (de)
VERFAHREN UND SYSTEME ZUR VERSTÄRKUNG VON MEDIEN MIT GERINGEM LICHT

Title (fr)
PROCÉDÉS ET SYSTÈMES POUR L'AMÉLIORATION DE MULTIMÉDIA À FAIBLE LUMINOSITÉ

Publication
EP 4248657 A1 20230927 (EN)

Application
EP 22825246 A 20220613

Priority
• IN 202141026673 A 20210615
• KR 2022008294 W 20220613

Abstract (en)
[origin: US2022398700A1] A method for enhancing media includes: receiving, by an electronic device, a media stream; performing, by the electronic device, an alignment of a plurality of frames of the media stream; correcting, by the electronic device, a brightness of the plurality of frames; selecting, by the electronic device, one of a first neural network, a second neural network, or a third neural network, by analyzing parameters of the plurality of frames having the corrected brightness, wherein the parameters include at least one of shot boundary detection and artificial light flickering; and generating, by the electronic device, an output media stream by processing the plurality of frames of the media stream using the selected one of the first neural network, the second neural network, or the third neural network.

IPC 8 full level
H04N 21/431 (2011.01); G06N 3/04 (2023.01); G06N 3/045 (2023.01); G06N 3/0464 (2023.01); G06N 3/08 (2023.01); G06N 3/09 (2023.01); G06T 5/00 (2006.01); H04N 9/64 (2023.01)

CPC (source: EP US)
G06N 3/045 (2023.01 - EP); G06N 3/0464 (2023.01 - EP); G06N 3/09 (2023.01 - EP); G06T 5/60 (2024.01 - EP); G06T 5/70 (2024.01 - US); G06T 5/80 (2024.01 - US); G06T 7/13 (2017.01 - US); G06V 10/7747 (2022.01 - US); G06V 10/776 (2022.01 - US); G06V 10/82 (2022.01 - EP US); H04N 9/646 (2013.01 - EP); H04N 23/71 (2023.01 - US); H04N 23/745 (2023.01 - US); G06T 2207/10016 (2013.01 - EP); G06T 2207/20081 (2013.01 - US); G06T 2207/20084 (2013.01 - EP US); G06T 2207/30168 (2013.01 - US); G06V 2201/10 (2022.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2022398700 A1 20221215; CN 117044215 A 20231110; EP 4248657 A1 20230927; EP 4248657 A4 20240103

DOCDB simple family (application)
US 202217889988 A 20220817; CN 202280018046 A 20220613; EP 22825246 A 20220613