

Title (en)
SYSTEM AND METHOD FOR GENERATING HARMONIOUS COLOR SETS FROM MUSICAL INTERVAL DATA

Title (de)
SYSTEM UND VERFAHREN ZUR ERZEUGUNG HARMONISCHER FARBSÄTZE AUS MUSIKINTERVALLDATEN

Title (fr)
SYSTÈME ET PROCÉDÉ DE GÉNÉRATION D'ENSEMBLES DE COULEURS HARMONIEUSES À PARTIR DE DONNÉES D'INTERVALLE MUSICAL

Publication
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Application
EP 20752093 A 20200206

Priority
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• US 2020017106 W 20200206

Abstract (en)
[origin: WO2020163660A2] Systems and methods are disclosed for generating color sets based on musical concepts of pitch intervals and harmony. Color sets are derived via a music-to-hue process which analyzes musical pitch data associated with musical input to determine pitch intervals included in the music. Pitch interval angles associated with the pitch intervals are applied to a tuned hue index to identify hue note ordered within the index which are separated by a hue interval angle similar to the pitch angle associated with the analyzed pitch data. The systems and methods provide for the creation of color sets which are analogous to musical chords in that they include multiple hue notes selected based on hue interval angles derived from musical interval angles associated with the received musical input.

IPC 8 full level
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Citation (search report)
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• [Y] KR 20080021201 A 20080307 - HARMONICOLOR SYSTEM CO LTD [KR]
• [XAYI] CIUHA PETER ET AL: "Visualization of concurrent tones in music with colours", COMPUTER ARCHITECTURE (ISCA), 2011 38TH ANNUAL INTERNATIONAL SYMPOSIUM ON, IEEE, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 25 October 2010 (2010-10-25), pages 1677 - 1680, XP058599645, ISBN: 978-1-4503-0472-6, DOI: 10.1145/1873951.1874320
• See references of WO 2020163660A2

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