

Title (en)
SYSTEM AND METHODS FOR AUTOMATICALLY GENERATING A MUSICAL COMPOSITION HAVING AUDIBLY CORRECT FORM

Title (de)
SYSTEM UND VERFAHREN ZUM AUTOMATISCHEN ERZEUGEN EINER MUSIKZUSAMMENSETZUNG, DIE AKUSTISCH KORREKTE FORM AUFWEIST

Title (fr)
SYSTÈME ET PROCÉDÉS POUR GÉNÉRER AUTOMATIQUEMENT UNE COMPOSITION MUSICALE AYANT UNE FORME AUDIBLEMENT CORRECTE

Publication
EP 4068273 A2 20221005 (EN)

Application
EP 22165702 A 20220330

Priority

- GB 202104696 A 20210331
- US 202117219610 A 20210331
- US 202217707923 A 20220329

Abstract (en)
A generative composition system reduces existing musical artefacts to constituent elements termed "Form Atoms". These Form Atoms may each be of varying length and have musical properties and associations that link together through Markov chains. To provide myriad new composition, a set of heuristics ensures that musical textures between concatenated musical sections follow a supplied and defined briefing narrative for the new composition whilst contiguous concatenated Form Atoms are also automatically selected to see that similarities in respective and identified attributes of musical textures for those musical sections are maintained to support maintenance of musical form. Independent aspects of the disclosure further ensure that, within the composition work, such as a media product or a real-time audio stream, chord spacing determination and control are practiced to maintain musical sense in the new composition. Further, a structuring of primitive heuristics operates to maintain pitch and permit key transformation. The system and its functionality provides signal analysis and music generation through allowing emotional connotations to be specified and reproduced from cross-referenced Form-Atoms.

IPC 8 full level
G10H 1/00 (2006.01)

CPC (source: EP KR)
G10H 1/0025 (2013.01 - EP KR); **G10H 2210/061** (2013.01 - EP KR); **G10H 2210/125** (2013.01 - EP KR); **G10H 2240/085** (2013.01 - EP KR)

Citation (applicant)
US 2020320398 A1 20201008 - LYSKE JOSEPH MICHAEL WILLIAM [GB], et al

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

DOCDB simple family (publication)
EP 4068273 A2 20221005; EP 4068273 A3 20221109; AU 2022250856 A1 20231116; BR 112023020059 A2 20231114; CA 3214004 A1 20221006; JP 2024513865 A 20240327; KR 20240021753 A 20240219; MX 2023011535 A 20231214; WO 2022207765 A2 20221006; WO 2022207765 A3 20221110; WO 2022207765 A8 20231102; WO 2022207765 A9 20230126

DOCDB simple family (application)
EP 22165702 A 20220330; AU 2022250856 A 20220330; BR 112023020059 A 20220330; CA 3214004 A 20220330; EP 2022058509 W 20220330; JP 2023560980 A 20220330; KR 20237037568 A 20220330; MX 2023011535 A 20220330