

Title (en)  
RELATIONS BETWEEN MUSIC ITEMS

Title (de)  
BEZIEHUNGEN ZWISCHEN MUSIKSTÜCKEN

Title (fr)  
RELATIONS ENTRE DES ÉLÉMENTS DE MUSIQUE

Publication  
**EP 3996085 A1 20220511 (EN)**

Application  
**EP 20205651 A 20201104**

Priority  
EP 20205651 A 20201104

Abstract (en)  
A method of determining relations between music items, the method comprising determining a first input representation for a symbolic representation of a first music item, mapping the first input representation onto one or more subspaces derived from a vector space using a first model, wherein each subspace models a characteristic of the music items, determining a second input representation for music data representing a second music item, mapping the second input representation onto the one or more subspaces using a second model, determining a distance between the mappings of the first and second input representation in each subspace, wherein the distance represents the degree of relation between the first and second input representation with respect to the characteristic modelled by the subspace.

IPC 8 full level  
**G10H 1/00** (2006.01)

CPC (source: EP)  
**G10H 1/0008** (2013.01); **G10H 1/0025** (2013.01); **G10H 2240/031** (2013.01); **G10H 2240/046** (2013.01); **G10H 2240/056** (2013.01); **G10H 2240/075** (2013.01); **G10H 2240/131** (2013.01); **G10H 2250/311** (2013.01)

Citation (applicant)  
• ANDREAS VEIT: "Conditional Similarity Networks", PROCEEDINGS OF THE IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION, 2017, pages 830 - 838  
• JONGPIL LEE: "Disentangled Multidimensional Metric Learning for Music Similarity", IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 2020

Citation (search report)  
• [XAY] DAPHNE ODEKERKEN ET AL: "DECIBEL: Improving Audio Chord Estimation for Popular Music by Alignment and Integration of Crowd-Sourced Symbolic Representations", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 22 February 2020 (2020-02-22), XP081606133  
• [YA] MAROLT M: "A Mid-Level Representation for Melody-Based Retrieval in Audio Collections", IEEE TRANSACTIONS ON MULTIMEDIA, IEEE SERVICE CENTER, US, vol. 10, no. 8, 1 December 2008 (2008-12-01), pages 1617 - 1625, XP011237736, ISSN: 1520-9210, DOI: 10.1109/TMM.2008.2007293  
• [Y] JONGPIL LEE ET AL: "Disentangled Multidimensional Metric Learning for Music Similarity", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 9 August 2020 (2020-08-09), XP081737311  
• [YA] VEIT ANDREAS ET AL: "Conditional Similarity Networks", 2017 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR), IEEE COMPUTER SOCIETY, US, 21 July 2017 (2017-07-21), pages 1781 - 1789, XP033249519, ISSN: 1063-6919, [retrieved on 20171106], DOI: 10.1109/CVPR.2017.193

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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)  
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