

Title (en)

2D USER INTERFACE FOR A MUSICAL INSTRUMENT FOR PLAYING COMBINED SEQUENCES OF CHORDS AND TUNES, AND  
COMPUTER-READABLE STORAGE MEDIUM

Title (de)

2D BENUTZERSCHNITTSTELLE FÜR EIN MUSIKINSTRUMENT ZUM SPIELEN VON KOMBINIERTEN AKKORD- UND MELODIEFOLGEN UND  
COMPUTERLESBARES SPEICHERMEDIUM

Title (fr)

INTERFACE UTILISATEUR 2D POUR INSTRUMENT DE MUSIQUE POUR JOUER DES SÉQUENCES COMBINÉES D'ACCORDS ET DE  
MÉLODIES, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR

Publication

**EP 4088275 A1 20221116 (DE)**

Application

**EP 21777992 A 20210915**

Priority

- DE 102020125748 A 20201001
- EP 2021075330 W 20210915

Abstract (en)

[origin: WO2022069227A1] The invention relates to a user interface for a musical instrument, in particular an electronic or virtual musical instrument, for playing combined sequences of chords and tunes, comprising a key matrix (1) having a plurality of zones 111, 121, ...; 112, 122, ...; 11n, 12n, ... that can be activated, these zones being arranged in columns and rows, each row of activatable zone 111, 121, ...; 112, 122, ...; 11n, 12n, ... forming a region 101, 102, ... , each region 101, 102, ... being associated with a basic chord that preferably is a chord of a scale, preferably of a diatonic scale, the chord being specific of the scale, and each zone 111, 121, ...; 112, 122, ...; 11n, 12n, ... being associated with a musical tone of the tune, which is preferably a musical tone of the tune of the scale. The user interface is designed to produce, when a zone 111, 121, ...; 112, 122, ...; 11n, 12n, ... in a region 101, 102, ... is activated, a musical tone-producing command in accordance with the activated zone 111, 121, ...; 112, 122, ...; 11n, 12n, ... and region 101, 102, ... , and the musical tone-producing command comprises at least one basic chord note command of a pitch that is contained in the basic chord associated with the activated region 101, 102, ... and comprises a tune note command the pitch of which corresponds to the musical tone of the tune of the activated zone 111, 121, ...; 112, 122, ...; 11n, 12n, ... . The invention also relates to a musical instrument, a method for producing combined sequences of chords and tunes, and a computer-readable storage medium.

IPC 8 full level

**G10H 1/34** (2006.01); **G10H 1/38** (2006.01)

CPC (source: EP US)

**G10H 1/0008** (2013.01 - US); **G10H 1/344** (2013.01 - EP); **G10H 1/386** (2013.01 - EP); **G10H 2210/105** (2013.01 - EP);  
**G10H 2210/525** (2013.01 - EP); **G10H 2210/571** (2013.01 - EP US); **G10H 2220/096** (2013.01 - EP US); **G10H 2220/161** (2013.01 - US);  
**G10H 2220/251** (2013.01 - EP); **G10H 2230/245** (2013.01 - EP)

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)

**DE 102020125748 B3 20210923**; CN 116457868 A 20230718; EP 4088275 A1 20221116; EP 4088275 B1 20240221;  
US 2023326435 A1 20231012; WO 2022069227 A1 20220407

DOCDB simple family (application)

**DE 102020125748 A 20201001**; CN 202180077299 A 20210915; EP 2021075330 W 20210915; EP 21777992 A 20210915;  
US 202118028113 A 20210915