

Title (en)  
MUSICAL INSTRUMENT

Title (de)  
MUSIKINSTRUMENT

Title (fr)  
INSTRUMENT DE MUSIQUE

Publication  
**EP 2084701 A4 20130807 (EN)**

Application  
**EP 07836491 A 20070802**

Priority  

- US 2007017383 W 20070802
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Abstract (en)  
[origin: WO2008019089A2] A musical device is disclosed that generates note tones, influences the sound of notes that are generated independently and performs a variety of user defined or user controlled activities. These activities include but are not limited to producing musical notes, determining, influencing or changing the sound, quality, voice, volume or other characteristics of a note, activating and coordinating the replay of stored loops, recording, editing and playing user created pieces previously produced and controlling peripheral devices such as lighting. The musical device uses a combination of strings and frets to locate notes on a fingerboard that a user may activate. The notes correspond to locations on the fingerboard. As a result, the invention includes a system to generate a sound corresponding to a note selected and activated according to preselected parameters such as the voice (e.g., trumpet, violin). A user's intent to play a particular note is preferably confirmed by a system of sensors corresponding to each note position that confirms a user's intent to play a particular note. The musical device also includes one or more switches that activate functions, loops or voices corresponding to note positions on the fingerboard.

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CPC (source: EP)  
**G10H 1/0553** (2013.01); **G10H 1/342** (2013.01); **G10H 2220/135** (2013.01); **G10H 2220/415** (2013.01)

Citation (search report)  

- [XY] US 2005183567 A1 20050825 - AOKI NAOFUMI [JP], et al
- [Y] US 4630520 A 19861223 - BONANNO CARMINE [US]
- [A] US 2002148346 A1 20021017 - OKULOV PAUL D [CA]
- See references of WO 2008019089A2

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