Title (en)
DEVICE AND PROCESS INTERPRETING MUSICAL GESTURES

Title (de)
EINRICHTUNG UND PROZESS ZUM INTERPRETIEREN VON MUSIKALISCHEN GESTEN

Title (fr)
DISPOSITIF ET PROCEDE D'INTERPRETATION DE GESTES MUSICAUX

Publication
EP 2396711 A2 20111221 (FR)

Application
EP 10703477 A 20100212

Priority
• EP 2010051761 W 20100212
• FR 0950916 A 20090213
• FR 0950919 A 20090213

Abstract (en)
[origin: WO2010092139A2] The invention relates to a device for interpreting musical gestures or gestures controlling or serving as musical instruments. Devices of the prior art enable a user to produce music by performing gestures on an adapted instrument or accompanied by pre-recorded musical content. However, none of the devices of the prior art are reliable and robust enough to guarantee satisfactory musical rendition. The invention enables remarkable musical rendition due to the use of microsensors, in particular accelerometers and magnetometers or rate gyros, and due to the adapted processing of the signals from the microsensors. In particular, the processing uses a merging of output data from the microsensors to eliminate false alarms consisting of the movements of the user that are not related to the music. The speed of the musical strokes is also measured by the device of the invention. The invention also enables the user to control the playback of MP3 or WAV music files to be played.

IPC 8 full level
G06F 3/038 (2006.01); **G06F 3/033** (2006.01); **G10H 1/00** (2006.01); **G10H 1/40** (2006.01)

CPC (source: EP US)
G10H 1/18 (2013.01 - US); **G10H 1/40** (2013.01 - EP US); G10H 2210/076 (2013.01 - EP US); G10H 2210/385 (2013.01 - EP US); G10H 2220/135 (2013.01 - EP US); G10H 2220/201 (2013.01 - US); G10H 2220/206 (2013.01 - EP US); G10H 2220/395 (2013.01 - EP US)

Citation (search report)
See references of WO 2010092139A2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010092139 A2 20100819; **WO 2010092139 A3 20110113**; EP 2396711 A2 20111221; US 2012062718 A1 20120315; US 9171531 B2 20151027

DOCDB simple family (application)
EP 2010051761 W 20100212; EP 10703477 A 20100212; US 201013201420 A 20100212