

Title (en)

Pedal device for electronic keyboard instrument

Title (de)

Pedalvorrichtung für elektronisches Tasteninstrument

Title (fr)

Appareil à pédale pour instrument électronique à clavier

Publication

**EP 2372694 A3 20120111 (EN)**

Application

**EP 11153681 A 20110208**

Priority

- JP 2010046624 A 20100303
- US 201013978311 A 20101223

Abstract (en)

[origin: EP2372694A2] A pedal device for an electronic keyboard apparatus adds sound effects to musical notes generated by the electronic keyboard apparatus in response to an operator depressing the pedal device. A first reaction force application device is configured to apply a first reaction force countering a depression of the pedal by the operator from an initial state to a specified state to produce a first reaction force, wherein the first reaction force increases as the pedal is depressed from the initial state to the specified state. A second reaction force application device that is configured to apply a second reaction force countering a depression of the pedal by the operator after the specified state, wherein after the specified state the first reaction force and the second reaction force are applied to the pedal.

IPC 8 full level

**G10H 1/34** (2006.01)

CPC (source: EP)

**G10H 1/348** (2013.01)

Citation (search report)

- [X] US 2009314156 A1 20091224 - KOMATSU AKIHIKO [JP]
- [X] US 2009235803 A1 20090924 - IWAMOTO TOSHIYUKI [JP], et al
- [I] US 4744279 A 19880517 - LIVINGSTON DUANE P [US]
- [X] US 2006096448 A1 20060511 - YOSHINO KIYOSHI [JP], et al
- [X] JP H0997075 A 19970408 - ROLAND CORP
- [X] JP S5886694 U 19830611

Cited by

CN111696498A

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 2372694 A2 20111005; EP 2372694 A3 20120111; EP 2372694 B1 20160824**

DOCDB simple family (application)

**EP 11153681 A 20110208**