

Title (en)

A CONTROLLER FOR PRODUCING CONTROL SIGNALS

Title (de)

STEUERGERÄT ZUR ERZEUGUNG VON STEUERSIGNALEN

Title (fr)

COMMANDE POUR PRODUIRE DES SIGNAUX DE COMMANDE

Publication

**EP 3745391 A1 20201202 (EN)**

Application

**EP 19177650 A 20190531**

Priority

EP 19177650 A 20190531

Abstract (en)

A controller for producing control signals is disclosed. The controller comprises a pressure sensor, a hinged input mechanism configured to receive input forces and direct said input forces towards the pressure sensor and a processor, configured to receive a signal from the pressure sensor indicating that the hinged input mechanism is being depressed or released. Based on the received signal, the processor is further configured to determine, during a time interval, a rate of change of pressure detected at the pressure sensor and generate a control signal associated with the hinged input mechanism. The control signal comprises a velocity characteristic representative of a speed at which the hinged input mechanism is depressed or released. The velocity characteristic of the control signal is based at least partly on the determined rate of change of pressure.

IPC 8 full level

**G10H 1/055** (2006.01); **G10H 1/34** (2006.01); **G10H 1/46** (2006.01)

CPC (source: EP)

**G10H 1/0558** (2013.01); **G10H 1/344** (2013.01); **G10H 1/346** (2013.01); **G10H 1/46** (2013.01); **G10H 2210/195** (2013.01); **G10H 2220/271** (2013.01)

Citation (search report)

- [X] JP H0627947 A 19940204 - CASIO COMPUTER CO LTD
- [X] US 5144876 A 19920908 - HIRANO MASASHI [JP]
- [X] US 5552561 A 19960903 - NAKADA AKIRA [JP], et al
- [A] EP 3301670 A1 20180404 - ALPHA PIANOS GMBH [AT]

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 3745391 A1 20201202**

DOCDB simple family (application)

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