

Title (en)

MULTI-USER SMARTGLOVE FOR VIRTUAL ENVIRONMENT-BASED REHABILITATION

Title (de)

MEHRBENUTZER-SMARTGLOVE FÜR REHABILITATION AUF GRUNDLAGE VIRTUELLER UMGEBUNGEN

Title (fr)

GANT INTELLIGENT POUR MULTIPLES UTILISATEURS POUR RÉÉDUCATION BASÉE SUR UN ENVIRONNEMENT VIRTUEL

Publication

**EP 2389152 A1 20111130 (EN)**

Application

**EP 10733800 A 20100120**

Priority

- US 2010021483 W 20100120
- US 14582509 P 20090120
- US 26654309 P 20091204

Abstract (en)

[origin: WO2010085476A1] A low-cost, virtual environment, rehabilitation system and a glove input device for patients suffering from stroke or other neurological impairments for independent, in-home use, to improve upper extremity motor function, including hand and finger control. The system includes a low-cost input device for tracking arm, hand, and finger movement; an open source gaming engine; and a processing device. The system is controllable to provide four types of multiple patient/user interactions: competition, cooperation, counter-operative, and mixed.

IPC 8 full level

**A61H 1/00** (2006.01); **A61H 1/02** (2006.01); **G06F 3/01** (2006.01); **G16H 20/30** (2018.01); **G16H 50/50** (2018.01); **G16Z 99/00** (2019.01); **A61B 5/00** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)

**A61B 5/1114** (2013.01 - EP US); **A61B 5/7475** (2013.01 - EP US); **A63B 23/16** (2013.01 - EP US); **G06F 3/011** (2013.01 - EP US); **G06F 3/014** (2013.01 - EP US); **G09B 19/003** (2013.01 - EP US); **G16H 20/30** (2017.12 - EP US); **G16H 40/63** (2017.12 - EP US); **G16H 50/50** (2017.12 - EP); **G16Z 99/00** (2019.01 - EP US); **A61B 5/0022** (2013.01 - EP US); **A61B 5/6806** (2013.01 - EP US); **A61B 2505/09** (2013.01 - EP US); **A63B 23/08** (2013.01 - EP US); **A63B 2022/0094** (2013.01 - EP US); **A63B 2024/0096** (2013.01 - EP US); **A63B 2071/0638** (2013.01 - EP US); **A63B 2071/0655** (2013.01 - EP US); **A63B 2220/10** (2013.01 - EP US); **A63B 2220/16** (2013.01 - EP US); **A63B 2220/40** (2013.01 - EP US); **A63B 2220/51** (2013.01 - EP US); **A63B 2220/805** (2013.01 - EP US); **A63B 2220/89** (2013.01 - EP US); **A63B 2225/20** (2013.01 - EP US); **A63B 2225/50** (2013.01 - EP US); **A63B 2225/54** (2013.01 - EP US); **A63F 13/212** (2014.09 - EP US); **A63F 2300/1012** (2013.01 - EP US); **A63F 2300/105** (2013.01 - EP US)

Cited by

CN105717900A

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 2010085476 A1 20100729**; EP 2389152 A1 20111130; EP 2389152 A4 20160511; US 2012157263 A1 20120621

DOCDB simple family (application)

**US 2010021483 W 20100120**; EP 10733800 A 20100120; US 201013145436 A 20100120