

Title (en)
MECHANICAL CPR DEVICE

Title (de)
MECHANISCHE CPR-VORRICHTUNG

Title (fr)
DISPOSITIF DE RÉANIMATION CARDIORESPIRATOIRE MÉCANIQUE

Publication
EP 3231409 A1 20171018 (EN)

Application
EP 17167256 A 20140606

Priority
• EP 17167256 A 20140606
• EP 14171457 A 20140606

Abstract (en)
A mechanical CPR device, comprising a piston (221) having an end configured to attach a patient's torso; a driving component configured to extend the piston toward the patient's torso and retract the piston away from the patient's torso; and a controller configured to determine a reference position (230) by controlling the driving component to at least: extend the piston until a first position at which the piston end comes into contact with the patient's torso, determine a reference position by retracting and extending the position, the reference position being based at least in part on a point at which the piston end contacts the torso; wherein the controller is further configured to perform mechanical CPR by controlling the driving component to at least: compress the patient's torso by extending the piston from the reference position to a particular depth and retracting the piston from the depth to the reference position.

IPC 8 full level
A61H 31/00 (2006.01)

CPC (source: EP)
A61H 31/006 (2013.01); **A61H 2031/001** (2013.01); **A61H 2201/5061** (2013.01); **A61H 2201/5071** (2013.01)

Citation (applicant)
WO 2009136831 A1 20091112 - JOLIFE AB [SE], et al

Citation (search report)
• [I] WO 2009136831 A1 20091112 - JOLIFE AB [SE], et al
• [A] WO 2013030700 A1 20130307 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• [A] WO 2012063163 A1 20120518 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2952170 A1 20151209; EP 2952170 B1 20171108; EP 3231409 A1 20171018; EP 3231409 B1 20211020; EP 3960146 A1 20220302; EP 3960146 B1 20230510; HK 1218615 A1 20170303

DOCDB simple family (application)
EP 14171457 A 20140606; EP 17167256 A 20140606; EP 21203525 A 20140606; HK 16106630 A 20160608