

Title (en)
A SMART HAEMOVIGILANCE BOX

Title (de)
INTELLIGENTE HÄMOVIGILANZBOX

Title (fr)
BOÎTE D'HÉMOVIGILANCE INTELLIGENTE

Publication
EP 3884459 A4 20221012 (EN)

Application
EP 19887649 A 20191115

Priority

- IB 2019059818 W 20191115
- IN 201821044177 A 20181123

Abstract (en)
[origin: WO2020104904A2] The present invention provides a smart haemovigilance box (100). The smart box comprises a microcontroller (108) connected to the sensor motor. A temperature sensor (104) connected to the microcontroller (108) to monitor the temperature inside the smart haemovigilance box (100). An electronic device with a touch screen display (110) and a memory unit loaded with software (111) is mounted on the exterior of the lid. The touch screen display (110) doubles in functionality to act as an input device facilitating interaction with the microcontroller (108), upon authenticating with predefined stored parameters via touch screen display (110), the unlock signals are triggered and the microcontroller (108) actuates the electro-mechanical lock to unlock the lid of the smart haemovigilance box (100), granting access to the medical products contained within.

IPC 8 full level
G16H 40/20 (2018.01); **A61B 5/00** (2006.01); **A61B 5/11** (2006.01); **A61B 5/117** (2016.01); **A61J 1/14** (2006.01); **B65D 51/24** (2006.01); **B65D 55/02** (2006.01); **B65D 55/14** (2006.01); **B65D 81/00** (2006.01); **B65D 81/18** (2006.01); **G06F 3/0488** (2022.01); **G06F 21/36** (2013.01); **G06Q 10/08** (2012.01); **G06Q 50/22** (2018.01); **G06Q 50/28** (2012.01); **G16H 40/63** (2018.01)

CPC (source: EP)
A61B 5/0022 (2013.01); **A61B 5/1112** (2013.01); **A61B 5/117** (2013.01); **A61J 1/1437** (2013.01); **A61J 1/16** (2013.01); **G06F 21/36** (2013.01); **G16H 40/20** (2017.12); **G16H 40/63** (2017.12); **A61B 2560/0252** (2013.01); **A61B 2562/029** (2013.01); **A61J 2200/72** (2013.01)

Citation (search report)

- [Y] EP 2436361 A1 20120404 - VERIDENTIA S L [ES]
- [Y] WO 2016193951 A1 20161208 - C B B LIFELINE BIOTECH LTD [CY]
- [Y] KR 20170093424 A 20170816 - OH YOUNG DANG CO LTD [KR]
- [Y] BARONTI F. ET AL: "An electronic barrier system to improve blood transfusion safety", ICECS 2008. 15TH IEEE INTERNATIONAL CONFERENCE ON ELECTRONICS, CIRCUITS AND SYSTEMS, 2008, 31 August 2008 (2008-08-31), Piscataway, NJ, USA, pages 85 - 88, XP055955711, ISBN: 978-1-4244-2181-7, DOI: 10.1109/ICECS.2008.4674797
- See references of WO 2020104904A2

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

DOCDB simple family (publication)
WO 2020104904 A2 20200528; WO 2020104904 A3 20200723; EP 3884459 A2 20210929; EP 3884459 A4 20221012

DOCDB simple family (application)
IB 2019059818 W 20191115; EP 19887649 A 20191115