

Title (en)
A METHOD OF DERIVING CENTRAL AORTIC SYSTOLIC PRESSURE AND A METHOD OF ANALYSING ARTERIAL WAVEFORM DATA TO DERIVE CENTRAL AORTIC SYSTOLIC PRESSURE VALUES

Title (de)
VERFAHREN ZUR ABLEITUNG DES ZENTRALEN SYSTOLISCHEN AORTENDRUCKS UND VERFAHREN ZUR AUSWERTUNG VON ARTERIELLEN WELLENFORMDATEN ZUR ABLEITUNG VON ZENTRALEN SYSTOLISCHEN AORTENDRUCKWERTEN

Title (fr)
PROCÉDÉ DE DÉRIVATION DE LA PRESSION SYSTOLIQUE AORTIQUE CENTRALE ET PROCÉDÉ D'ANALYSE DES DONNÉES DE FORME D'ONDE ARTÉRIELLE POUR DÉRIVER LES VALEURS DE PRESSION SYSTOLIQUE AORTIQUE

Publication
EP 2162063 A4 20150722 (EN)

Application
EP 07748706 A 20070607

Priority
SG 2007000161 W 20070607

Abstract (en)
[origin: WO2008150242A1] A method of deriving central aortic systolic pressure comprising the steps of: a) creating a set having a predetermined number of blood pressure measurements, the set representative of an arterial waveform; b) determining an integer interval value; c) averaging a series of consecutive blood pressure measurement readings in the set equal to the integer interval value commencing from the f

IPC 8 full level
A61B 5/021 (2006.01)

CPC (source: EP GB KR)
A61B 5/02 (2013.01 - KR); **A61B 5/0205** (2013.01 - KR); **A61B 5/021** (2013.01 - EP GB KR); **A61B 5/02116** (2013.01 - EP);
A61B 5/024 (2013.01 - KR)

Citation (search report)

- [Y] US 6443906 B1 20020903 - TING CHOON MENG [SG], et al
- [A] EP 1706030 A1 20061004 - ATCOR MEDICAL PTY LTD [AU]
- [Y] SIEBENHOFER A ET AL: "THE REPRODUCIBILITY OF CENTRAL AORTIC BLOOD PRESSURE MEASUREMENTS IN HEALTHY SUBJECTS USING APPLANATION TONOMETRY AND SPHYGMOCARDIOGRAPHY", JOURNAL OF HUMAN HYPERTENSION, MACMILLAN PRESS, BASINGSTOKE, GB, vol. 13, no. 9, 1 September 1999 (1999-09-01), pages 625 - 629, XP008060928, ISSN: 1359-6365, DOI: 10.1038/SJ.JHH.1000887
- [A] CHEN C H ET AL: "Estimation of central aortic pressure waveform by mathematical transformation of radial tonometry pressure. Validation of generalized transfer function", CIRCULATION, LIPPINCOTT WILLIAMS & WILKINS, US, vol. 95, no. 7, 1 April 1997 (1997-04-01), pages 1827 - 1836, XP002515371, ISSN: 0009-7322
- See also references of WO 2008150242A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008150242 A1 20081211; AU 2007354717 A1 20081211; AU 2007354717 B2 20120816; BR PI0721728 A2 20181023; CA 2689278 A1 20081211; CA 2689278 C 20151117; EP 2162063 A1 20100317; EP 2162063 A4 20150722; GB 0723145 D0 20080102; GB 2454624 A 20090520; GB 2454624 B 20120912; IL 202333 A0 20100630; IL 202333 A 20120628; JP 2010528757 A 20100826; KR 101476730 B1 20141229; KR 20100033381 A 20100329; MX 2009013200 A 20100224; TW 200901935 A 20090116; TW I441618 B 20140621; ZA 200908221 B 20110223

DOCDB simple family (application)
SG 2007000161 W 20070607; AU 2007354717 A 20070607; BR PI0721728 A 20070607; CA 2689278 A 20070607; EP 07748706 A 20070607; GB 0723145 A 20070607; IL 20233309 A 20091125; JP 2010511149 A 20070607; KR 20097026793 A 20070607; MX 2009013200 A 20070607; TW 97115022 A 20080424; ZA 200908221 A 20091120