

Philips int. ref.	Priority date	Title	Ref. publication number
2009PF00246	2009-Mar-06	Unobtrusive Vision Based Heart Rate Monitor	WO2010100594A2
2009PF00569	2009-Apr-29	Establishing optimal camera setup for visual scene analysis	WO2010125489A1
2009PF01141	2009-Aug-20	Heart rate monitoring in crowded areas, using video analysis and PPG/ avoid shadow directable lights	WO2011021128A2
2009PF01277	2009-Oct-06	Robust unobtrusive monitoring probe with inherent motion-tracking	WO2011042844A1
2009PF01278	2009-Oct-06	Motion and noise cancellation via dual wavelength (or dual detector) technique	WO2011042851A1
2009PF01471	2009-Nov-04	Camera for detection and coding of biometrical signals	WO2011055288A1
2009PF01598	2009-Oct-06	Biometric signal monitor with suppressed motion disturbance.	WO2011042858A1
2010PF01518	2010-Feb-08	Vehicle operator alertness monitoring system	US20110193707A1
2011PF00005	2011-Jan-05	Extracting information from characteristic signals	WO2012093358A1
2011PF00209	2011-Apr-14	Breathing analysis through a dimensional reduction of a signal	WO2012140531A1
2011PF00875	2011-Sep-02	Remote SpO2 monitoring using standard RGB camera	WO2013030745A1
2011PF00876	2011-Aug-01	Automatic calibration of remote SpO2 measurement	WO2013017976A1
2011PF00901	2011-Aug-26	Robust remote PPG using colour difference signals	WO2013030739A1
2011PF01023	2011-Aug-22	Data administration system and method	WO2013027141A2
2011PF02640	2011-Feb-28	Robustness improvement of camera-based heart rate monitoring in fitness equipment	WO2013128345A1
2012PF00086	2012-Jun-13	Pulse wave velocity estimation based on multi-dot speckle analysis using a single sensor	WO2013185937A1
2012PF01027	2012-Sep-21	Vital signs camera without privacy issue	WO2014045197A1
2012PF01092	2012-Nov-02	Extracting remote PPG information using a predetermined reference vector based on skin tone	WO2014068436A1
2012PF01167	2012-Aug-02	Correcting the respiratory signal with non-respiratory motion residue	WO2014020509A1
2012PF01364	2013-Mar-06	Region of interest guided illumination for camera-based vital signs measurements	WO2014136027A1
2012PF01673	2013-May-08	Discriminating a respiratory signal from noise in camera-based vital signs monitoring	WO2014180660A1
2012PF01939	2013-Jun-13	ExtSpO2 using natural blood temperature gradients	WO2014198868A1
2012PF01952	2013-Mar-13	Improving responsivity of SpO2 by disregarding skin areas with delayed supply of arterial blood	WO2014141001A1
2012PF01955	2012-Dec-04	Controlled illumination for camera-based SpO2 measurement	WO2014087310A1
2012PF01956	2013-Mar-13	AutoROI improvement via breathing rate estimated from PPG	WO2014140994A1
2013PF00327	2013-Jul-10	Camera-based SpO2 measurements for critical congenital heart disease (CCHD) screening	WO2015003938A1
2013PF00522	2013-Mar-14	Reliable detection of a pulse signal in camera-based vital signs monitoring	WO2014140148A1
2013PF00523	2013-Aug-06	Detecting health conditions through the orientation of the blood volume pulse vector	WO2015018657A1
2013PF00524	2013-Aug-07	Monitoring hemodynamic instabilities based on contactless unobtrusive sensing methods	WO2015018675A1
2013PF00924	2013-Oct-01	Optimally select remote photoplethysmographic waveform	WO2015049150A1
2013PF01018	2013-Oct-17	Motion Specific Processing for Remote Photoplethysmography	WO2015055709A1
2013PF01206	2013-Nov-01	Respiration rate and air flow indicators for vital signs camera in visible optical range	WO2015062969A1
2013PF01221	2013-Nov-27	Performing a cardio-vascular scan of a body in an unobtrusive way	WO2015078735A1
2013PF01799	2014-Feb-12	Combined transmissive and reflective PPG measurements using vital signs camera technology	WO2015121070A1
2013PF01814	2014-Feb-05	Camera-based monitoring of vital signs of premature babies during phototherapy for jaundice	WO2015117828A1
2014PF00327	2014-May-28	Motion artifact reduction using multi-channel PPG signals	WO2015180986A1
2014PF00367	2014-Jun-23	Multi-wavelength based motion artifact and specular reflectance removal from SpO2 measurement	WO2015197383A1
2014PF00463	2014-Jun-06	Detect Central Apnoea	WO2015185706A1
2014PF00957	2014-Oct-13	Tracking and re-initialization of ROI for camera-based monitoring of respiratory signal	WO2016058796A1
2015PF00746	2015-Sep-29	Motion-robust measurement of HR, SpO2, CO and bilirubin	US20170086755A1
2015PF01223	2015-Dec-23	Quality Metric for Vital Signs Camera	WO2017109169A1
2015PF01240	2015-Nov-24	Reflective PPG contact sensor with shortest light-path through the skin being substantially zero	WO2017089147A1
2015PF01444	2015-Dec-23	Improving Reliability and Sensitivity of Heart Rate Calculations based on Headrest Usage Detection	WO2017108548A1
2015PF01541	2016-Feb-25	Adaptive prioritization and scheduling of calls of remote patients	WO2017144293A1
2015PF01592	2016-Feb-08	Target-classification for remote PPG	WO2017137435A1
2015PF01594	2016-Mar-01	Determining a vital sign of a subject	WO2017148807A1
2015PF01679	2016-Jan-15	Motion robust PPG-imaging through color channel mapping	WO2017121834A1
2015PF01684	2016-Jun-30	Improved Biometric Identifier for Face Detection/Recognition Systems	WO2018002275A1
2015PF01750	2016-Oct-05	Deterioration detection for patients in an emergency department waiting room	WO2018065284A1
2015PF01773	2016-Apr-13	Using NIR pigments in incubator textiles to improve skin detection in vital signs camera monitoring.	WO2017178310A1
2015PF01804	2017-May-04	Extracting physiological information from video sequences	EP3398508A1
2016PF00119	2016-Aug-09	Improved calibration of pulse oximetry using modulation depth of speckle signal	WO2018029123A1
2016PF00276	2016-Aug-09	Unobtrusive monitoring of peripheral arterial perfusion using PPG and laser speckle imaging	WO2018029033A1
2016PF00752	2016-Nov-01	Determining the core body temperature of a subject	WO2018082991A1
2016PF00874	2017-Mar-08	Monitoring a state of well-being	WO2018162279A1
2016PF00918	2016-Oct-27	Robust remote PPG using energy priors to weight spectral components	WO2018077774A1
2016PF01030	2017-Mar-13	Camera-based vascular health measurement	WO2018166788A1
2016PF01096	2016-Nov-03	Automatic Face Repositioning for Improved Vital Signs Measurements with a PTZ Camera	WO2018083074A1
2016PF01108	2016-Dec-09	Automatic calibration of surrogate blood pressure measurements from hydrostatic changes	WO2018104337A1
2016PF01196	2016-Feb-08	Pulsatility detection for aliveness detection or ROI setting of vital signs measurements	WO2017137415A1
2016PF01257	2017-Dec-05	Motion Sickness Detection using Vital Signs Camera	EP3494874A1
2017PF01600	2017-Apr-14	Patient identification by clothing and object recognition	WO2018188993A1
2017PF01777	2017-Apr-18	Artifact-tolerant Pulse Rate Variability Measurement	WO2018192997A1
2017PF02752	2018-Mar-27	Extracting physiological information indicative of at least one vital sign	WO2019185410A1
2018PF00316	2018-Jun-19	Reliable skin-detection for remote photoplethysmography	WO2019243214A1
2018PF00410	2018-Jul-26	Camera-based evaluation of pulse and respiration presence	WO2020020915A1
2019PF00506	2019-Dec-19	Combining wideFieldPPG and radialPPG for depth estimation of PPG source and improved accuracy of SpO2	WO2021122122A1
2020PF00723	2020-Dec-17	Reducing ambiguity in PPG-I and SCI perfusion imaging	WO2022128637A1
2021PF00379	2021-Sep-23	Camera based magneto hydrodynamic effect compensation for ECG gating in the MR Exam Room	WO2023046819A1
2021PF00491	2021-Jul-26	Unobtrusive breathing-flow signal measurement method and device	WO2023006525A1
2022PF00101	2022-Oct-12	Automatic White Balance based on skin color	EP4353143A1