

Search history

- Search 1: FT=(node and (coverage area w10 less than) and transm*) (Results 260)
- Search 2: FT=(node and (coverage area w10 less than) and transm* and mobile) (Results 252)
- Search 3: FT=(node and (coverage area w10 less than) and transm* and mobile) and IC=(H04B7/185 or H04B7/204) (Results 6)
- Search 4: FT=(node and (coverage area w10 less than) and transm* and mobile) and PD<20160113 and IC=(H04B7/185 or H04B7/204) (Results 5)
- Search 5: FT=((((coverage area w10 less than) w10 node*) and transm* and mobile) and PD<20160113 (Results 2)
- Search 6: FT((((coverage area w10 greater than) w10 node*) and transm* and mobile) and PD<20160113 (Results 1)
- Search 1: apnea and (device* or apparatus*) and method (Results 11644)
- Search 2: (EMG or EMGdi or electromyograph*) (Results 16533)
- Search 3: 1 and (EMG or EMGdi or electromyograph*) (Results 1251)
- Search 4: 3 and (heart rate or FC or HR or ECG or EKG or electrocardio*) (Results 1051)
- Search 5: 4 and (SPO2 or oxygen saturat*) (Results 481)
- Search 6: 5 and detect* (Results 462)
- Search 7: 6 and (process* or control*) and memor* (Results 397)
- Search 8: 7 and (ADC or analog to digital converter) (Results 123)
- Search 9: 7 and (source* or suppl* or batter*) (Results 375)
- Search 10: 8 and (source* or suppl* or batter*) (Results 122)
- Search 11: 10 and non-invasive (Results 34)
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- Search 13: 12 and (ADC or analog to digital converter) (Results 35)
- Search 14: 12 and train* (Results 98)
- Search 15: 12 and PD< 20160603 (Results 130)
- Search 16: PN=(WO2015185706) (Results 1)
- Search 17: [SP]: device, system and method for detecting apnoea of a subject the present invention relates to device, system and method for unobtrusively and reliably detecting apnoea of a subject (2). the proposed device comprises an input unit (11) for receiving image data of subject, said image data including a sequence of images over time, a cardiac activity extraction unit (12) for extracting from said image data a cardiac activity signal representing the subject's cardiac activity from a skin area of the subject using remote photoplethysmography, a motion signal extraction unit (14) for extracting from said image data a motion signal representing motion of a subject's body part caused by breathing of the subject, an analysis unit (16) for determining the similarity between said cardiac activity signal and said motion signal, and an decision unit (18) for detecting apnoea of the subject based on the determined similarity. (Results 5)
- Search 18: [SP]: 1. A non invasive device for the early detection of the presence of apnea that includes: signal detection means EMGdi, FC and SpO2; a signal conditioning module of EMGdi, FC and SpO2 connected to the signal detection means of EMGdi, FC and SpO2; a signal processing module connected to the signal conditioning module EMGdi, FC and SpO2; a processor; an analog to digital converter connected to the signal processing module and the processor; a memory connected to the processor; a power source that provides power to the previous components; where the processor during a training stage, calculates, from data extracted from the EMGdi, FC and SpO2 signals stored

in the memory during the training stage, in a range the confidence limits of the data, and during a stage of detection, comparing the data stored in the memory extracted from the signals of EMGdi, FC and SpO2 during the detection stage with the confidence limits of the data calculated in the training stage according to the result of the comparison, the detection of apnea is indicated obstructive, central or mixed, performing early detection of the presence of apnea. (Results 0)

Search 1: IC=H01H71 AND TAC=((circuit or modul*) w1 breaker) AND FT=(CONTACT? AND (HANDLE OR LEVER) AND (((elastic or bias) w1 (member or element)) or spring) AND AXIS AND ROTAT*) (Results 1614)

Search 2: IC=H01H71 AND TAC=((circuit or modul*) w1 breaker) AND FT=(CONTACT? AND (HANDLE OR LEVER) AND SPRING AND AXIS AND ROTAT* AND (BIMETAL* W1 STRIP)) (Results 293)

Search 3: TAC=((circuit or modul*) w1 breaker) and PA=(ZHEJIANG) and PD<20140827 (Results 772)

Search 4: (3) AND FT=(SPRING AND AXIS AND HOLE) (Results 2)

Search 5: (3) AND FT=(SPRING) (Results 139)

Search 6: (3) and ft=(spring w3 groove) (Results 1)

Search 7: (3) and FT=(notch*) (Results 17)

Search 8: (3) and FT=(iron w3 core) (Results 42)

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- Update information:

PatBase Coverage at Update 2018 Week 22 (Year 2018 Week 22)

PatBase Coverage includes 100+ million documents from over 100 patent-issuing authorities and includes patent applications, granted patents, utility models and designs â€” detailed in the below coverage listings.

Major countries

Publishing body	Document type	Bibliographic publication date		Full-Text publication date	
		Earliest	Latest	Earliest	Latest
CN China	Patent Applications	19850910	20180601	19850910	20180601
	Patents	19930106	20180601	19930106	20180601
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20180601	19930106	20180601
	Designs	19850910	20180601	19850910	20150819
DE Germany	Patent Applications	19211221	20180530	19650317	20180530
	Patents	18770101	20180530	19200113	20180530
	Utility Models	19280626	20180530	19610831	20180530
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20180530	19781220	20180530
	Patents	19800109	20180530	19800109	20180530
FR France	Patent Applications	19690307	20180601	19810102	20180511
	Patents	18550227	20180601	19600502	20180601
	Utility Model Applications	19720107	20180601	19800104	20180511
	Utility Models	19730112	20180525	19690802	20180525
GB United Kingdom	Unpublished Patent Applications	19830209	20180516		

	Patent Applications	19790104	20180530	19790104	20180516
	Patents	17820704	20180530	19020911	19811216
JP Japan	Patent Applications	19710116	20180531	19930108	20180524
	Patents	19281026	20180516	19960529	20180516
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20180517	19940726	20101216
	Designs	20141110	20180528		
KR Republic of Korea	Patent Applications	19781209	20180601	19800531	20180601
	Patents	19700820	20180601	19770628	20180601
	Utility Model Applications	19781127	20180601	19940730	20180601
	Utility Models	19780110	20180601	19970104	20180601
US United States of America	Patent Applications	20010315	20180531	20010315	20180531
	Patents	18360101	20180529	18560617	20180529
	Designs	18650912	20180529	19770719	20180529
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20180531	19781019	20180531
	Designs	20151023	20180601	20151023	20180601

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- **search:** SS1 FT=(node and (coverage area w10 less than) and transm*) (Results 260)
- **search:** SS2 FT=(node and (coverage area w10 less than) and transm* and mobile) (Results 252)
- **search:** SS3 FT=(node and (coverage area w10 less than) and transm* and mobile) and IC=(H04B7/185 or H04B7/204) (Results 6)
- List: SS3 1-50 (FT=(node and (coverage area w10 less than) and transm* and mobile) and IC=(H04B7/185 or H04B7/204)) (Results 6)
- **search:** SS4 FT=(node and (coverage area w10 less than) and transm* and mobile) and PD<20160113 and IC=(H04B7/185 or H04B7/204) (Results 5)
- List: SS4 1-50 (FT=(node and (coverage area w10 less than) and transm* and mobile) and PD<20160113 and IC=(H04B7/185 or H04B7/204)) (Results 5)
- **search:** SS5 FT=((((coverage area w10 less than) w10 node*) and transm* and mobile) and PD<20160113 (Results 2)
- List: SS5 1-50 (FT=((((coverage area w10 less than) w10 node*) and transm* and mobile) and PD<20160113) (Results 2)
- **search:** SS6 FT=((((coverage area w10 greater than) w10 node*) and transm* and mobile) and PD<20160113 (Results 1)
- List: SS6 1-50 (FT=((((coverage area w10 greater than) w10 node*) and transm* and mobile) and PD<20160113) (Results 1)
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- search history cleared

- **search:** SS1 apnea and (device* or apparatus*) and method (Results 11644)
- **search:** SS2 (EMG or EMGdi or electromyograph*) (Results 16533)
- **search:** SS3 1 and (EMG or EMGdi or electromyograph*) (Results 1251)
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- **search:** SS5 4 and (SPO2 or oxygen saturat*) (Results 481)
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- List: SS11 1-50 (10 and non-invasive) (Results 34)
- **search:** SS12 7 and non-invasive (Results 149)
- List: SS12 1-50 (7 and non-invasive) (Results 149)
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- **search:** SS13 12 and (ADC or analog to digital converter) (Results 35)
- **search:** SS14 12 and train* (Results 98)
- List: SS14 1-50 (12 and train*) (Results 98)
- **search:** SS15 12 and PD< 20160603 (Results 130)
- List: SS15 1-50 (12 and PD< 20160603) (Results 130)
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- **search:** SS16 PN=(WO2015185706) (Results 1)
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- **search:** SS17 [SP]: device, system and method for detecting apnoea of a subject the present invention relates to device, system and method for unobtrusively and reliably detecting apnoea of a subject (2). the proposed device comprises an input unit (11) for receiving image data of subject, said image data including a sequence of images over time, a cardiac activity extraction unit (12) for extracting from said image data a cardiac activity signal representing the subject's cardiac activity from a skin area of the subject using remote photoplethysmography, a motion signal extraction unit (14) for extracting from said image data a motion signal representing motion of a subject's body part caused by breathing of the subject, an analysis unit (16) for determining the similarity between said cardiac activity signal and said motion signal, and an decision unit (18) for detecting apnoea of the subject based on the determined similarity. (Results 5)
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during the detection stage with the confidence limits of the data calculated in the training stage according to the result of the comparison, the detection of apnea is indicated obstructive, central or mixed, performing early detection of the presence of apnea. (Results 0)

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- **search:** SS1 IC=H01H71 AND TAC=((circuit or modul*) w1 breaker) AND FT=(CONTACT? AND (HANDLE OR LEVER) AND (((elastic or bias) w1 (member or element)) or spring) AND AXIS AND ROTAT*) (Results 1614)
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- **search:** SS3 TAC=((circuit or modul*) w1 breaker) and PA=(ZHEJIANG) and PD<20140827 (Results 772)
- **search:** SS4 (3) AND FT=(SPRING AND AXIS AND HOLE) (Results 2)
- **search:** SS5 (3) AND FT=(SPRING) (Results 139)
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- List: SS6 1–50 ((3) and ft=(spring w3 groove)) (Results 1)
- **search:** SS7 (3) and FT=(notch*) (Results 17)
- **search:** SS8 (3) and FT=(iron w3 core) (Results 42)
- List: SS8 1–50 ((3) and FT=(iron w3 core)) (Results 42)