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Citing Patents

Title: Infant respiration and movement monitoring system - has controller receiving signals from first resonant sensor indicating movement of infant and uses signal processor to process respiration and movement related signals

Assignee: SENSITIVE TECHNOLOGIES LLC, TEODORESCU H

Inventor(s): TEODORESCU H, MLYNEK D J

Timespan=All Years. Databases=CDerwent, EDerwent, MDerwent.

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Assignee Names

- BOEING CO (7)
- ILIFE SYSTEMS INC (4)
- DONNELLY CORP (3)
- GEORGIA-PACIFIC CONSUMER PROD LP (3)
- HILL-ROM SERVICES INC (3)
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Assignee Codes

- Inventors
- IPC Codes
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1. EP2335578-A1; WO2011077326-A2 2011-H00701
Title: Flexible sensor system i.e. body pressure measurement system, for monitoring living subject e.g. young child, has sensor elements, where system process sensor data from sensor elements depend on sensor data from another element
Assignee: KONINK PHILIPS ELECTRONICS NV
Inventor(s): BRUEKERS A, BREEBAART J, BOUGHORBEL S, et. al
Citing Patents: 0
 2. GB2474649-A 2011-E40220
Title: Incubator of baby used in intensive care unit has recording device that enables message, music or soothing sound and speaker which enables sounds to be relayed to baby
Assignee: CHENIER C M
Inventor(s): CHENIER C M
Citing Patents: 0
 3. FR2943234-A1; WO2010107093-A1 2010-M14068
Title: Biological parameter e.g. heartbeat, monitoring method for e.g. driver of vehicle, involves estimating noise value using model of transfer function, and removing estimated noise value from signal of sensor
Assignee: IMRA EURO SAS, AISIN SEIKI KK
Inventor(s): VRAZIC S, VRAZIC SACHA
Citing Patents: 0
 4. US2010078459-A1; US7793882-B2 2010-D76874
Title: Dispenser i.e. electronic touch-less paper towel dispenser, for dispensing sheet product e.g. wiper, has electronic controller setting adjustable time delay between sheet feeds responsive to switch when dispensing mechanism operates in mode
Assignee: GEORGIA-PACIFIC CONSUMER PROD LP
Inventor(s): GEDDES D J, KANE W J, REINSEL C M
Citing Patents: 0
 5. US2009133500-A1; US7690259-B2 2009-J72385
Title: Manual non-destructive inspection method for composite assembly structure e.g. fuselage frame flange, involves transmitting ultrasonic signals from ultrasonic inspection sensor i.e. linear inspection sensor, to portion of structure
Assignee: BOEING CO
Inventor(s): BUI H T, FETZER B A, KROTZER R C, et. al
Citing Patents: 1
 6. US2009064787-A1; US7640811-B2 2009-H71722
Title: Inspecting a structure e.g. aircraft structure, involves use of ultrasonic inspection apparatus having a robotic motion control system for probe movement, probe extension coupler, and inspection probe with pulse echo ultrasonic transducers
Assignee: BOEING CO
Inventor(s): KENNEDY J C, LITTLE M L, UYEHARA C T
Citing Patents: 2
 7. US7479878-B2 2009-E00158
Title: Flexible sensor cable for intrusion detection system has radio grade coaxial-type cables that are separated by air separator and PVC that provides impedance change and produces terminal voltage in response to disturbance
Assignee: SENSTAR-STELLAR CORP
Inventor(s): HARMAN R K, MAKI M C
Citing Patents: 0
 8. US7444876-B2

- Title:** [Non-destructive inspection apparatus for inspecting structure i.e. hat stringer, has sensor holder traveling over portion of structure, where portion of structure comprises curved structural feature](#) 2008-M98117
Assignee: BOEING CO
Inventor(s): SARR D P, BUI H T
Citing Patents: 0
9. US2008094226-A1; WO2008050252-A1; GB2456102-A; ... 2008-F81654
Title: [User e.g. infant, position detecting method, involves providing body position detection system operable according to whether user is in predetermined position predetermined to be potentially life-threatening position](#)
Assignee: OSHEA M D, CLEMENT G A, MADSEN G F, et. al
Inventor(s): OSHEA M D, CLEMENT G A, MADSEN G F, et. al
Citing Patents: 2
10. WO2008051744-A2; US2008105780-A1; WO2008051744-A3; ... 2008-F38544
Title: [Material transport mechanism for use with electrically powered dispenser for paper towels has mounting bracket with two side plates for supporting respective ends of each of the two shafts](#)
Assignee: GEORGIA-PACIFIC CONSUMER PROD LP, REINSEL C M, GENNRICH D J, et. al
Inventor(s): REINSEL C M, GENNRICH D J, KALLSEN K J, et. al
Citing Patents: 0
11. US2008045832-A1; WO2008027509-A2; WO2008027509-A3; ... 2008-E97124
Title: [Remote-detection system for monitoring changes in permittivity associated with physiological activity e.g. respiration, of subject i.e. patient, has detector connected to receiver to extract variations in amplitude](#)
Assignee: MCGRATH W R, CALIFORNIA INST OF TECHNOLOGY
Inventor(s): MCGRATH W R
Citing Patents: 6
12. US2007213621-A1; US7803118-B2 2007-870425
Title: [Condition detection method for e.g. Cheyne-stokes breathing includes filtering signal to eliminate signal components at frequencies equal to or greater than respiratory frequency of the patient](#)
Assignee: WIDEMED LTD
Inventor(s): REISFELD D, SBERRRO H
Citing Patents: 11
13. US2007213622-A1; US7803119-B2 2007-795785
Title: [Patient's sleep monitoring and diagnosis method for use by physician, involves processing signal to detect occurrences of pattern related to multiple cycles of periodic breathing, where periodic breathing event is identified](#)
Assignee: WIDEMED LTD
Inventor(s): REISFELD D
Citing Patents: 5
14. DE102007004593-A1; US2007182553-A1; FR2897032-A1; ... 2007-773718
Title: [Vehicle seat occupant detection system, has electronic unit detecting potential current passing via electrode, and detecting occupant based on impedance and phase difference which are based on load current and potential current](#)
Assignee: DENSO CORP, NIPPONDENSO CO LTD
Inventor(s): KAMIZONO T, NISHIO E
Citing Patents: 3
15. US2007044564-A1; KR2007091574-A; US7617732-B2 2007-386220
Title: [Non-destructive inspection apparatus for inspecting structure curved structural feature, has rapid prototyped sensor holder for defining recess, where holder is formed by rapid prototyping using electronic design model](#)
Assignee: INTEGRATED CURVED LINEAR ULTRASONIC TRANSDUCER INSPECTION AP, BOEING CO
Inventor(s): BUI H T, SARR D P, DENNIS P S, et. al
Citing Patents: 8
16. US2007018878-A1; US7535401-B2 2007-269499
Title: [Remote control apparatus for e.g. television receiver, has sensor converting parameter to be sensed e.g. light, into analog/digital signal, and including imbedded independent intelligence with bi-directional signal capabilities](#)
Assignee: TOLMEI R
Inventor(s): TOLMEI R
Citing Patents: 0
17. US2007006658-A1; EP1744157-A2; US7640810-B2 2007-230610
Title: [Non-destructive inspection system for composite structure, has extension coupler that extends and retracts end to which probe is attached for applying pressure to probe so as to press it against structure](#)
Assignee: BOEING CO
Inventor(s): KENNEDY J C, LITTLE M L, UYEHARA C T
Citing Patents: 6
18. US7151444-B1 2007-170997
Title: [Children monitoring method for use at nursery, involves presenting audio information from signal and visual indication of each signal of multiple signal to user, simultaneously](#)
Assignee: DOYLE D M
Inventor(s): DOYLE D M
Citing Patents: 2
19. US2006243051-A1; WO2007025109-A2; WO2008005265-A2; ...

- Title:** [Non-destructive inspection apparatus for use with portable function support system, has two ultrasonic inspection sensors inspecting structure, and two sensor holders defining sensor recess for supporting and orienting sensors](#) 2007-070356
Assignee: BOEING CO
Inventor(s): BUI H T, YOUNG F D, LEE M A, et. al
Citing Patents: 10
20. US2006220884-A1; US7408471-B2 2006-765474
Title: [Remote baby monitoring system has vibrating unit which activates vibration based on detected audio level, and transmits vibration to remote unit through transmitter that transduces sound associated with baby](#)
Assignee: THOMPSON R L, GRACO CHILDREN'S PROD INC
Inventor(s): THOMPSON R L
Citing Patents: 0
21. EP1703640-A1; DE102005013102-A1; JP2006262482-A; ... 2006-719523
Title: [Contactless switch for recording relative position of movable parts, e.g. for door, has first path for processing of response signal to evaluation circuit and second path is provided with approximation circuit](#)
Assignee: SCHMERSAL HOLDING KG K A
Inventor(s): STRATMANN C
Citing Patents: 5
22. WO2006082589-A2; US2007213624-A1; US2007213620-A1; ... 2006-586302
Title: [Patient monitoring method for analyzing sleep pattern involves extracting shape characteristic of periodic breathing pattern from received signal, and classifying etiology of periodic breathing in response to shape characteristic](#)
Assignee: WIDEMED LTD
Inventor(s): REISFELD D, KOGAN S
Citing Patents: 6
23. WO2006071578-A2; US2006261818-A1; US7154275-B2; ... 2006-538586
Title: [Passive intrusion detection system for use in e.g. battle field, has electric-field sensors to detect presence of moving intruder](#)
Assignee: BAE SYSTEMS INFORMATION & ELECTRONIC SYS, ZANK P A, SUTPHIN E M, et. al
Inventor(s): ZANK P A, SUTPHIN E M, BUCHANAN D W, et. al
Citing Patents: 7
24. WO2006054910-A1; NZ536762-A; EP1815258-A1; ... 2006-381387
Title: [Contactless electric field sensing system for detecting movement, position and pressure of body measures changes of electric field of high impedance drive signal applied to conductive plate with respect to movement of object closer to plate](#)
Assignee: ZEPHYR TECHNOLOGY LTD, KENT S C, KENT S, et. al
Inventor(s): RUSSELL B K, MALLINSON P B, SOLOMON C M, et. al
Citing Patents: 0
25. WO2006048960-A1; JP2006129933-A; EP1815787-A1; ... 2006-343695
Title: [Heart rate or respiration rate sensor for biological monitoring apparatus used for newborn infant, has flexible vibration transmission plate with air vents, and piezoelectric transducer fixed to transmission plate](#)
Assignee: AT LABO CO LTD, AT LAB KK, SATO S, et. al
Inventor(s): SATO S, YAMADA K, INAGAKI N, et. al
Citing Patents: 4
26. US2006074577-A1; WO2006137872-A2; EP1810017-A2; ... 2006-290770
Title: [Structure inspection system in aircraft industry, comprises receiver board having logarithmic amplifier for processing signals from receive channels to provide logarithmic amplification to each channel for specific range](#)
Assignee: BOEING CO
Inventor(s): FETZER B A, FETZER B
Citing Patents: 0
27. EP1626500-A2; US2006033489-A1; DE102004039389-A1; ... 2006-166844
Title: [Door monitoring circuit e.g. for aircraft, has inductive system arranged depending on the distance of the target e.g. door in aircraft](#)
Assignee: AIRBUS DEUT GMBH, RIECKMANN N
Inventor(s): RIECKMANN N
Citing Patents: 0
28. US2006020221-A1; US7037272-B2 2006-134262
Title: [Respiration monitoring apparatus for in-home infant, compares relative humidity signal associated with respiration of infant, and ambient room humidity level, to determine respiratory state](#)
Assignee: SILPACHAI O, KARST M
Inventor(s): SILPACHAI O, KARST M
Citing Patents: 0
29. EP1619522-A1; WO2006008247-A1; EP1776606-A1; ... 2006-112243
Title: [Transmitter electrode, for capacitive sensing device, e.g. safety device in automotive vehicle has connecting point at a distance from other connecting point and define conductive path for conductive sheet material](#)
Assignee: IEE INT ELECTRONICS & ENG SARL, IEE SARL, PETEREIT A, et. al
Inventor(s): CLOS H, HUEGENS E, PETEREIT A, et. al
Citing Patents: 0
30. EP1619521-A1; WO2006008246-A1; EP1769269-A1; ... 2006-112242
Title: [Transmitter electrode, for capacitive sensing device, e.g. safety device in automotive vehicle, has at least one cut-out within sensing area of transmitter](#)

electrode

Assignee: IEE INT ELECTRONICS & ENG SARL, IEE SARL, CLOS H, et. al
Inventor(s): CLOS H, PETEREIT A, SCHLEE H T, et. al
Citing Patents: 1

31. FR2872695-A1; WO2006008604-A1; EP1788943-A1; ... 2006-093096
Title: Infant sudden death preventing device, has plate mounted in support fixed on garment of infant at level of navel, to activate alarm if orientation variation of plate is detected to be greater than preset threshold
Assignee: HARTMANN T, VILLEMINOT S
Inventor(s): HARTMANN T
Citing Patents: 0
32. US2005268699-A1; US7258026-B2 2006-036530
Title: Sensor e.g. force sensor comprises many sensor elements arranged on substrate, such that each sensor element is moved in direction perpendicular to sensor plane and independent of adjacent sensor element moving in perpendicular direction
Assignee: TEKSCAN INC
Inventor(s): PPAKOSTAS T, GEORGE C, MALACARIA C, et. al
Citing Patents: 4
33. US2005184877-A1; US7053779-B2 2005-615860
Title: Remote baby monitoring system for e.g. parent, has remote monitoring unit control to determine if sound exceeds threshold level to alert vibrator, where vibrator is operated to provide non-audio alert when sound exceeds level
Assignee: BURLINGTON BASKET CO, THOMPSON R L
Inventor(s): THOMPSON R L
Citing Patents: 4
34. EP1564702-A1; US2005179543-A1; CA2497220-A1; ... 2005-592864
Title: Monitoring apparatus for house, modifies characteristic of oscillation signal generated using marker in response to external source and detects modification in oscillation signal to generate output signal accordingly
Assignee: SENSORMATIC ELECTRONICS CORP, LIAN M, SHAFER G M, et. al
Inventor(s): LIAN M, SHAFER G M, PATTERSON H A
Citing Patents: 0
35. US2005145045-A1; US6964205-B2; DE602004007689-E; ... 2005-505226
Title: Sensor for detecting e.g. force distribution of e.g. seat cushion of wheelchair, has traces disposed on substrate layer, and slits formed in layer at locations to allow one sensor component to move relative to another component
Assignee: TEKSCAN INC
Inventor(s): PPAKOSTAS T, GEORGE C, MALACARIA C, et. al
Citing Patents: 6
36. WO2005055824-A1; US2005190062-A1; EP1694202-A1; ... 2005-488116
Title: Method for monitoring physiology of person, involves analyzing two of signals over period of time to determine range of each signal, and activating alarm when one signal is in hard range and when two signals are in soft range
Assignee: HOANA MEDICAL INC, SULLIVAN P K, GLEI M S, et. al
Inventor(s): SULLIVAN P K, GLEI M S, EMBREE P M, et. al
Citing Patents: 16
37. US2005085687-A1; EP1525842-A1; JP2005125094-A; ... 2005-394044
Title: Infant care apparatus e.g. infant warmer, for providing heat to newborn infant, has transmitter within enclosure of patient sensor to transmit information detected by sensor via wireless telemetry, to receiver on apparatus
Assignee: MACKIN M H, LYNAM L E, DATEX-OHMEDA INC, et. al
Inventor(s): MACKIN M H, LYNAM L E
Citing Patents: 4
38. EP1524499-A1; US2005081628-A1; JP2005121517-A; ... 2005-335032
Title: Rotational-rate sensor has synthetic resonance-frequency and applied rotational rate frequency that are each lower than the resonance frequency in the direction where the detecting element is driven
Assignee: MATSUSHITA ELECTRIC IND CO LTD, NOZOE T, YOSIUTI S, et. al
Inventor(s): NOZOE T, YOSIUTI S, KAWASAKI S, et. al
Citing Patents: 3
39. US6859141-B1 2005-230486
Title: Electric field proximity detector used in e.g. cellular phone, has transmitting, receiving and ground electrodes sized and arranged such that proximity of grounded object is detected by decrease of current at receiving electrode
Assignee: NORTEL NETWORKS LTD
Inventor(s): VAN SCHYNDEL A J, CLAYTON D J
Citing Patents: 10
40. WO2004109227-A1; JP2005003366-A; JP3764949-B2; ... 2005-048601
Title: Breathing state analysis apparatus for treatment of cerebrovascular diseases, has three-dimensional sensor at upper portion of bed, measures movement of person at different points, based on which breathing state of person is analyzed
Assignee: SUMITOMO OSAKA CEMENT CO LTD, UNIV KEIO, SUMITOMO CEMENT CO LTD, et. al
Inventor(s): SATO I, NISHIURA T, NAKAJIMA M, et. al
Citing Patents: 7
41. US6765489-B1 2004-569355
Title: Infant movement monitoring and alarm device, has controller that is connected to accelerometer for analyzing output signal that is generated by accelerometer

based on lack of movement, and selectively activating signal generator

Assignee: MILWAUKEE ELECTRONICS CORP
 Inventor(s): KETELHOHN C H
 Citing Patents: 3

- 42. DE10261791-A1; WO2004061361-A1; US2005145080-A1; ... 2004-534817
Title: Method of preventing contact between an object and a movable part e.g. preventing contact between the body of a person and a saw blade
Assignee: BOSCH GMBH ROBERT, VOIGTLAENDER K
Inventor(s): VOIGTLAENDER K, VOIGTLANDER K, KLAUS V
Citing Patents: 17
- 43. JP2004198322-A; US2004174158-A1; US6819100-B2; ... 2004-504093
Title: Method for producing transformation table for drawing detection distance of metal object from oscillation state of oscillation circuit, involves correcting each measured value that centers on specific sensor range
Assignee: OMRON KK, OMRON CORP
Inventor(s): IIDA Y, OHTSUKI H, HOSODA T
Citing Patents: 1
- 44. WO2004036147-A3; GB2394295-A; WO2004036147-A2; ... 2004-358856
Title: Position sensor for detecting relative position of PCB and sensing element, applies excitation signal to excitation winding, to induce resonant signals to resonant circuits of sensor element and sense coil
Assignee: SENSOPAD TECHNOLOGIES LTD, TT ELECTRONICS TECHNOLOGY LTD
Inventor(s): HOWARD M A, SILLS C S, KREIT D, et. al
Citing Patents: 10
- 45. WO2004013611-A3; WO2004013611-A2; US2004123667-A1; ... 2004-191426
Title: Remote-detection system for monitoring physiological activity e.g. respiration, has receiver with antenna configured to observe changes in amplitude of electromagnetic signal reflected by subject
Assignee: CALIFORNIA INST OF TECHNOLOGY, MCGRATH W R
Inventor(s): MCGRATH W R
Citing Patents: 18
- 46. US2003222775-A1; US6930614-B2 2004-051784
Title: Occupancy alarm for motor vehicle, has logic unit that activates alarm when occupancy sensor detects occupant breathing heat, open door sensor detects drivers door is open and engine motor detects engine is switched off
Assignee: INT BUSINESS MACHINES CORP
Inventor(s): RACKHAM D L, DUNBAR A M, HINTERMEISTER G R
Citing Patents: 18
- 47. WO2003093048-A; WO2003093048-A1; DE10219368-A1; ... 2003-865882
Title: Dead man's device for processing machine has capacitive sensor with outermost layer containing conductive material with smaller area than region of handle in which capacitive sensor is arranged
Assignee: MAGENWIRTH GMBH & CO GUSTAV
Inventor(s): AMBOS S, KUFNER G
Citing Patents: 5
- 48. US2003156144-A1; JP2003242527-A; JP4054585-B2; ... 2003-777923
Title: Information processing apparatus for generating virtual object exchanging event, determines partner to whom virtual character is upcast based on hand movement and viewing direction of observer
Assignee: CANON KK
Inventor(s): MORITA K
Citing Patents: 3
- 49. US2003164762-A1; US6897773-B2 2003-746111
Title: Universal mobile telemonitoring device for wireless communication systems, has computer program to operate computer to alarm for providing notification of abnormalities in accepted data to monitor for taking correct action
Assignee: RIDLEY A D
Inventor(s): RIDLEY A D
Citing Patents: 5
- 50. US2003083540-A1; CA2393154-A1; US6766145-B2; ... 2003-567477
Title: Unborn child monitoring system, has remote and local units producing input signal, conversion circuitry operating on input signal according to selectors operative mode
Assignee: FITZGERALD K, GUBITOSI D T, WEPPNER M H, et. al
Inventor(s): FITZGERALD K, GUBITOSI D T, WEPPNER M H, et. al
Citing Patents: 3

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