

Patent Selections:

The patents annotated in this section have been selected from various patent collections. They are recent patents categorized by different information and computation, computer graphics, artificial intelligence, cybernetics, hardware and architecture, software, theory and methods involved and related to computer science and are relevant to the articles published in this journal issue.

HEARTBEAT SOUND SIGNAL

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2. Abreu, M.M.A. Mart Noninvasive measurements of chemical substances. *EP1820442 (2007)*.
3. Kuhara, S., Yui, M., Kassai, Y. MRI involving retrospective data extraction. *EP1764620 (2007)*.
4. Herrig, H.W., Holle, D.C. Vehicular flasher unit having selectable flasher schemes illuminated with pulse width modulated signals. *US20077199704 (2007)*.
5. Feliss, N., Gillis, D.R. Hard disk drive medical monitor with sound-proofing. *US20077214188 (2007)*.
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7. Turner, W.D. System and method for pacing repetitive motion activities. *WO07044474 (2007)*.
8. Shertudke, H., Beckman, P.V. Acoustic sensor. *WO07111623 (2007)*.
9. Finch, K.B. Biological rhythm modification by compute unit and intelligent table. *WO07103396 (2007)*.
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17. Gill, J., Min, X. Characterisation of patient's condition by evaluating electrical and mechanical properties of the heart. *EP1747752 (2007)*.
18. Hall, C., Lanier, V.W., Shewmake, D., Ruderman, F., Banet, M., Schultz, R., Dhillon, M., Fleming, A., Visser, H. Internet-based system for monitoring blood test, vital sign, and exercise information from a patient. *WO07040963 (2007)*.
19. Boyden, E.S., Deisseroth, K. Light-activated cation channel and uses thereof. *WO07024391 (2007)*.
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21. Werneth, R.L. Low power tissue ablation system. *WO07008954 (2007)*.
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26. Feliss, N., Gillis, D.R., Flechsig, K.A. Hard disk drive medical monitor with alert signaling system. *US20077247136 (2007)*.
27. Yoneyama, N. Ultrasound diagnosis apparatus that adjusts a time phase between a plurality of image series. *US20077175598 (2007)*.
28. Natarajan, A., Thakor, N.V. Implantable myocardial ischemia detection, indication and action technology. *US20077277745 (2007)*.

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3. Sato, S., Yamada, K., Inagaki, N., Ishida, A. Heartbeat/respiration sensor and body monitor employing same. *EP1815787 (2007)*.
4. Hageman, G.S. Diagnostics and therapeutics for macular degeneration. *EP1804064 (2007)*.

5. McCarthy, P.M. Annuloplasty ring for mitral valve prolapse. *WO07089625 (2007)*.
6. Lin, K.Y. A system for blood pressure measurement and a method for blood pressure measurement. *WO07082593 (2007)*.
7. Beach, K., Kim, Y., Sikdar, S. Ultrasonic technique for assessing wall vibrations in stenosed blood vessels. *WO07001352 (2007)*.

HEARTBEAT SOUND SIGNAL & SPECTRAL ANALYSIS

1. Salo, R., Pastore, J.M., Kramer, A.P., Stahmann, J.E., Hartley, J.W. System for controlling cardiac therapy based on electromechanical timing. *WO07002888 (2007)*.
2. Haefner, P. Multi-parameter arrhythmia discrimination. *US20077218966 (2007)*.
3. Lee, S.W., Bae, M.H. Ultrasound system for reconstructing an image with the use of additional information. *EP1744180 (2007)*.

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5. Kays, S. Genius adaptive design. *WO07081519 (2007)*.
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WIRELESS SENSOR NETWORKS

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39. Haller, S., Moreira, S.D., Souza, L., Nochta, Z. Spies, P. Active intervention in service-to-device mapping for smart items. *EP1841180 (2007)*.

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WIRELESS SENSOR NETWORKS & CROSS-LAYER DESIGN

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6. Miller, C.H. Optimized energy management system. *US20077274975 (2007)*.
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MOVING OBJECT DETECTION & SPATIAL DOMAIN

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1. Borer, T.J. Encoding at a higher quality level based on mixed image prediction factors for different quality levels. *GB2434050 (2007)*.
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