

Title (en)  
GOLF SWING TEMPO MEASUREMENT SYSTEM

Title (de)  
GOLFSCHWINGTEMPOMESSSYSTEM

Title (fr)  
SYSTEME DE MESURE DU RYTHME D'UN SWING AU GOLF

Publication  
**EP 1804932 A4 20081224 (EN)**

Application  
**EP 04785039 A 20040922**

Priority  
US 2004031490 W 20040922

Abstract (en)  
[origin: WO2006041449A1] A biofeedback system including an elongated member, for feeding back sounds indicative of swing tempo of the elongated member is provided. The system comprises a plurality of acceleration measuring devices adapted to measure accelerations at a plurality of locations along the elongated member; a first microcontroller for processing the measured acceleration signals to reduce effects of gravity and forming a digital number related to an angular rotational speed raised to a power; said digital number comprising a plurality of bits; a second microcontroller for receiving the digital number and associating the bits with a plurality of groups each having an associated tonal composition and amplitude value indicative of bit content and for forming commands indicative of the tonal composition and amplitude value; and a synthesizer responsive to commands and producing an audio signal; and means for outputting the audio signal.

IPC 8 full level  
**A63B 57/00** (2006.01)

CPC (source: EP)  
**A63B 69/3632** (2013.01); **A63B 71/0686** (2013.01); **A63B 2071/0625** (2013.01); **A63B 2220/30** (2013.01); **A63B 2220/40** (2013.01)

Citation (search report)  
• [XA] WO 0235184 A2 20020502 - FIBERSENSE TECHNOLOGY CORP [US], et al  
• [XA] FR 2829700 A1 20030321 - FEEL YOUR PLAY TECHNOLOGY [FR]  
• [XA] WO 2004056425 A2 20040708 - FORTESCUE CORP [US], et al  
• [XA] WO 0029075 A1 20000525 - HACKMAN LLOYD E [US]  
• [XA] US 2003024311 A1 20030206 - PERKINS NOEL C [US]  
• [XA] US 2002077189 A1 20020620 - TUER KEVIN [CA], et al  
• [XA] JP H04141186 A 19920514 - MURATA MANUFACTURING CO  
• See references of WO 2006041449A1

Cited by  
DE102012021998A1

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

DOCDB simple family (publication)  
**WO 2006041449 A1 20060420**; AT E486639 T1 20101115; AU 2004324119 A1 20060420; AU 2004324119 B2 20100722; CA 2580846 A1 20060420; CA 2580846 C 20100921; DE 602004029948 D1 20101216; EP 1804932 A1 20070711; EP 1804932 A4 20081224; EP 1804932 B1 20101103; JP 2008513102 A 20080501; JP 4280298 B2 20090617

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