

Title (en)  
FREE-SPACE (NON-TACTILE) HUMAN INTERFACE FOR INTERACTIVE MUSIC, FULL-BODY MUSICAL INSTRUMENT, AND IMMERSIVE MEDIA CONTROLLER

Title (de)  
MENSCHLICHE FREIRAUMSCHNITTSTELLE (NICHT TAKTIL) FÜR INTERAKTIVE MUSIK, GANZKÖRPERMUSIKINSTRUMENT UND IMMERSIVE MEDIENSTEUERUNG

Title (fr)  
INTERFACE HUMAINE EN ESPACE LIBRE (NON TACTILE) POUR MUSIQUE INTERACTIVE, INSTRUMENT DE MUSIQUE INTEGRALE, COMMANDE DE MÉDIA IMMERSIVE

Publication  
**EP 1584087 A4 20100804 (EN)**

Application  
**EP 03808641 A 20031230**

Priority  
• US 0341798 W 20031230  
• US 43729302 P 20021230

Abstract (en)  
[origin: WO2004060509A2] Method and apparatus entraining interactive media players into a sustained experience of "Kinesthetic Spatial Sync" defined as a perceived simultaneity and spatial superposition between a non-tactile, full body input contro process and immersive multisensory feedback. Asynchronous player input actions and clock-synchronous media feedback events exhibit a seamless synesthesia or multisensory events fused into an integral event perception, this being between musical sound (hearing), visual responses (sight), and body kinesthetic (radial extension, angular position, height, speed, timing and precision). This non-tactile interface process and multisensory feedback

IPC 1-7  
**G10H 3/06**

IPC 8 full level  
**G10H 1/00** (2006.01); **G10H 1/055** (2006.01); **G10H 3/06** (2006.01); **G10H 7/00** (2006.01)

IPC 8 main group level  
**A63F** (2006.01)

CPC (source: EP)  
**G10H 1/0008** (2013.01); **G10H 1/0066** (2013.01); **G10H 1/0553** (2013.01); **G10H 2220/341** (2013.01); **G10H 2220/401** (2013.01); **G10H 2220/415** (2013.01)

Citation (search report)  
• [X] US 6153822 A 20001128 - TOBA YOSHIHIRO [JP], et al  
• [X] WO 0017851 A1 20000330 - KLOTZ MOSHE [GB], et al  
• [X] GB 2183889 A 19870610 - SIGALOV HAGAI  
• [X] US 5668333 A 19970916 - HORTON GREGORY R [US], et al  
• [X] US 5081896 A 19920121 - HIYOSHI TERUO [JP], et al  
• [X] FR 2502823 A1 19821001 - SZAJNER BERNARD [FR]  
• [X] DE 3436703 A1 19860417 - MUSAL ULRICH, et al  
• See references of WO 2004060509A2

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
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**US 0341798 W 20031230**; AU 2003303523 A 20031230; EP 03808641 A 20031230