

Diego Gonzalez

1) Family number: 50906920 (US2013210582A)

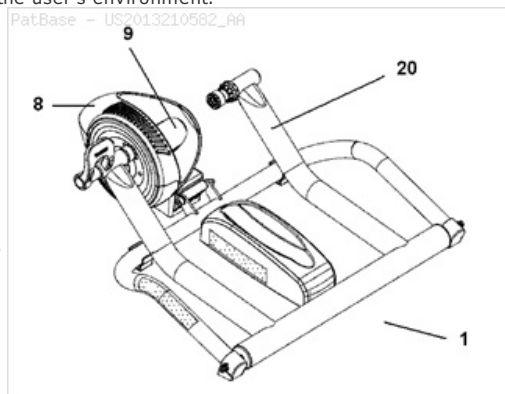
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Title: SPORTS TRAINING DEVICE

Abstract: The present invention relates to a training device usable in both indoor and outdoor training sessions, linked to a communication network capable of connecting multiple remote users during shared training sessions. Said device comprises, among other elements, a training means which presents a variable resistance against a physical force applied by a user; a monitoring and communication unit of data regarding the physical condition of the user and the mechanical conditions of the training means; a simulation and control unit; and a plurality of sensors for acquiring information on the physical condition of the user, on the mechanical conditions of the training means and on the user's environment.

Classifications:

International (IPC 8-9): A63B21/00 A63B21/005 A63B21/22 A63B22/02 A63B22/06 A63B24/00 A63B69/16 A63B71/00 G06Q10/06 H02K49/04 (Advanced/Invention); A63B21/008 A63B22/02 A63B71/06 (Advanced/Non-invention)
CPC: A63B24/0062 A63B21/00069 A63B21/00076 A63B21/0051 A63B21/0088 A63B21/225 A63B22/0605 A63B24/0084 A63B71/0619 A63B71/0622 A63B2024/009 A63B2024/0096 A63B2069/165 A63B2069/167 A63B2210/50 A63B2220/10 A63B2220/17 A63B2220/51 A63B2220/80 A63B2225/20 A63B2225/50 A63B2230/01 A63B2230/04 A63B2230/202 A63B2230/207 A63B2230/50 A63B2230/75 G06Q10/0639 A63B21/015 A63B22/0664 A63B24/0087 A63B2071/0683 A63B2220/12 A63B2220/18 A63B2220/806 A63B22/02 A63B69/16 A63B24/00
European: A63B24/00G A63B69/16 K63B210/50 K63B220/10 K63B220/17 K63B220/51 K63B220/80 K63B225/50 K63B230/01 K63B230/04 K63B230/20B K63B230/20D K63B230/50 K63B230/75 K63B69/16A3H K63B69/16A6
US: 1/1 482/8



Family:

Publication number	Publication date	Application number	Application date
AU2011310010 AA	20120405	AU20110310010	20110929
AU2011310010 BB	20150709	AU20110310010	20110929
BR112013007853 A2	20160621	BR20131107853	20110929
CA2812869 AA	20130327	CA20112812869	20110929
CN103200998 A	20130710	CN201180053637	20110929
EP2623166 A1	20130807	EP20110828184	20110929
EP2623166 A4	20150909	EP20110828184	20110929
EP2623166 B1	20190410	EP20110828184	20110929
ES2379450 AA	20120426	ES20100031461	20101001
ES2379450 BA	20130301	ES20100031461	20101001
JP2013538640 T2	20131017	JP20130530771T	20110929
KR101459298 B1	20141107	KR20137010559	20110929
KR20130097212 A	20130902	KR20137010559	20110929
MX2013003436 A1	20130827	MX20130003436	20110929
US2013210582 AA	20130815	US20110877256	20110929
US9259614 BB	20160216	US20110877256	20110929
WO12042092 A1	20120405	WO2011ES70685	20110929

Priority:

ES20100031461 20101001 WO2011ES70685 20110929

Probable Assignee: BKOOL SL

Assignee(s): (std): DEL TORO JESUS DEVAL ; DEVAL DEL TORO JESUS ; GARCIA CHECA JOSE FERNANDO ; GARCIA JOSE SANCHO ; SANCHO GARCIA JOSE ; BKOOL S L

Assignee(s): BKOOL SL

Inventor(s): (std): SANCHO GARCIA JOSE ; GARCIA CHECA JOSE FERNANDO ; DEVAL DEL TORO JESUS ; GARCIA JOSE SANCHO ; DEL TORO JESUS DEVAL ; TORO JESUS DEVAL DEL ; CHECA JOSE FERNANDO GARCIA

Inventor(s): JOSE FERNANDO GARCIA CHECA ; JOSE SANCHO GARCIA ; JESUS DEVAL DEL TORO

Agent(s): ALLENS PATENT AND TRADE MARK ATTORNEYS; RICHES MCKENZIE AND HERBERT LLP; ILLESCAS MANUEL; MANUEL ILLESCAS Y ASOCIADOS SLU; INABA YOSHIYUKI; MATTHEW T; GERALD E; MICHAEL J; ILLESCAS TABOADA MANUEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 57700015 (WO14175839A1)

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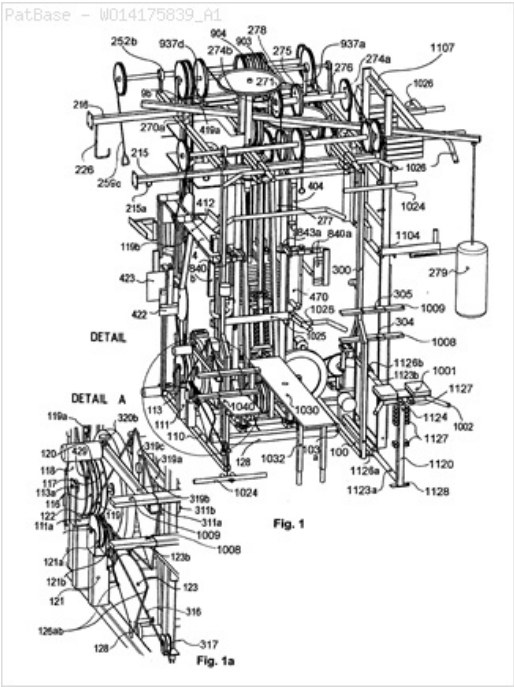
Title: STRENGTH TRAINING STATION AND ADDITIONAL EQUIPMENT WITH MECHANICAL AND ELECTRIC DRIVES

Abstract: The invention relates to a strength training station and additional equipment with mechanical and electric drives.

The strength training station consists of a rigidly fixed chassis that can be disassembled and can optionally be rotated and is equipped with sets of electrically controlled gravitational or resistance weights, also an inserted chip card which is controlled by a central computer using a tablet, or directly by the user from their position of activity using a strap comprising a touchscreen smart phone.

Classifications:

International (IPC 8-9): A63B21/00 A63B21/002 A63B21/008 A63B21/06 A63B21/062 A63B23/02 A63B23/035 A63B23/04 A63B24/00 A63B71/06 (Advanced/Invention)
CPC: A63B21/0087 A63B21/0605 A63B21/156 A63B23/0233 A63B23/03508 A63B23/03558 A63B23/0476 A63B2071/0658 A63B2225/096 A63B2225/10 A63B24/0087 A63B21/0628 A63B21/4031 A63B21/4035 A63B21/4045



Family:

Publication number	Publication date	Application number	Application date
SK201300039 A5	20141104	SK20130000039	20130426
WO14175839 A1	20141030	WO2014SK00009	20140422

Priority:

SK20130000039 20130426

Probable Assignee: BUKVA MARTIN

Assignee(s): (std): BUKVA MARTIN

Inventor(s): (std): BUKVA MARTIN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 74169164 (DE102017010163A1)

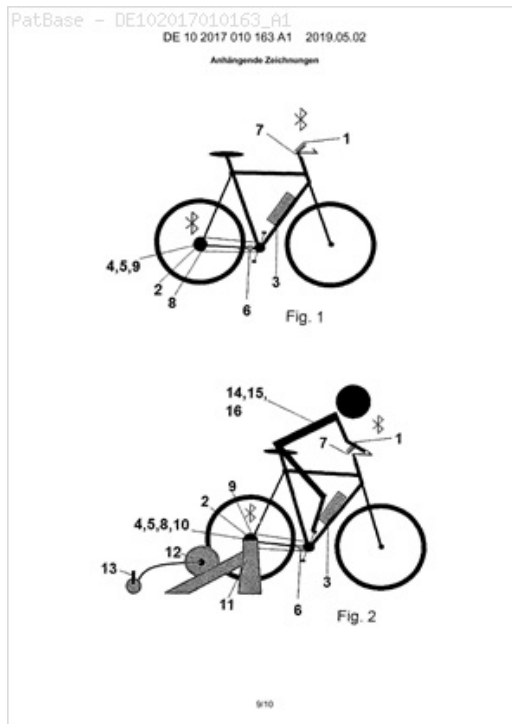
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Title: STATIONAERES PEDELEC-ERGOMETER SYSTEM Stationary PEDELEC-ERGOMETER SYSTEM (Machine translation)

Abstract: Source: DE102017010163A1 [DE] Ein stationaeres Ergometer System bestehend aus handelsueblichem Fahrrad mit elektrischem Antrieb (Pedelec) (6), handelsueblichen Rollentrainer (7), Sensorik (8,9), spezifischer Steuereinheit (1) und optionaler Datenverbindung zu einem Planungs-, Dokumentations- und Auswertesystem (2), dadurch gekennzeichnet, dass die Steuereinheit die Systemkomponenten in Abhaengigkeit von einem programmierten Trainingsverlauf und oder einer intelligenten, sensorabhaengigen Regelung so steuert, dass typische Ergometer Trainings wie Herzfrequenz - oder leistungsgesteuerte Trainings realisiert werden koennen. Es werden dabei Verfahren angewandt, die Sensorik des Pedelegs, wie Leistungs- und Drehzahlmessung (8) und Vitalparameter Sensorik, wie Herzfrequenzmessung (9), vorzugsweise drahtlos zur Steuereinheit zu uebertragen und zu nutzen, um vorzugsweise die Unterstuetzungsstufen des Pedelegs entsprechend des gewuenschten Trainingsverlaufs anzusteuern. Um den Trainingserfolg zu optimieren, koennen die Parameter der einzelnen Trainings auf ein online Portal uebertragen werden um dort entsprechende Auswertungen durch den Nutzer (3) selbst, durch Dritte (4) oder einen online Assistenten (5) vorzunehmen und um Trainingsanpassungen durchzufuehren, die dann wieder auf die Steuereinheit zurueckuebertragen werden. Das System eignet sich sowohl fuer die Rehabilitation als auch fuer die Praevention und allgemeinen sportlichen Betaetigung und laesst sich gut mit bestehenden stationaeren Ergometern und oder mobilen Ergometer Systemen zu einem Trainingsverbund kombinieren. **Machine translation:** A stationary bicycle ergometer system consisting of commercially available with electric drive (Pedelec) (6), commercial roller (7), Sensing (8,9), specific control unit (1) and optional data connection to a planning, documentation and evaluation system (2), characterized in that the control unit the system components depending on a program training course and or an intelligent sensor dependent control such that typical ergometer training such as heart rate or power controlled training may be implemented. This method is applied, the sensors of the pedelegs, such as power and speed measurement (8) sensors, such as heart rate measurement and vital parameters (9), preferably a wireless control unit to transmit and to use the support preferably stages of the pedelegs according to the desired training course. The success of training to optimize, the parameters of the individual trainings on an online portal can be transferred to corresponding evaluations by the user (3) itself, by third parties (4) or an online wizard (5), and to perform training adjustments, which can then be transmitted back to the control unit. The system is suitable for both the prevention and rehabilitation, as well as for general sporty operation and may be stationary or mobile and well with existing ergometers ergometers systems at a training composite combining.

Classifications:

International (IPC 8-9): A63B24/00 (Advanced/Invention)
CPC: A63B21/0125 A63B23/0476 A63B24/0087 A63B69/16 A63B2069/165 A63B2230/045 B62M6/45



Family:

Publication number	Publication date	Application number	Application date
DE102017010163 A1	20190502	DE201710010163	20171102

Priority:

DE201710010163 20171102

Probable Assignee:

KOENINGER JOACHIM

Assignee(s): (std):

KOENINGER JOACHIM

Inventor(s): (std):

KOENINGER JOACHIM

4) Family number: 12120222 (US5410471A)

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Title: NETWORKED HEALTH CARE AND MONITORING SYSTEM

Abstract: A networked health care and monitoring system (10) capable of providing an updated reliable vital information on the health condition of individuals and adapted to support home health care and maintenance. The system includes testing and measuring instruments (39; 43; 46; 49; 56) associated with certain household appliances such as a toilet system (12) and adapted to monitor the vital information passively in response to the use thereof in connection with routine living activities of the individuals. The system may further include control devices (39; 46; 49; 56) associated with certain household appliances, such as an ergometer (15), having health care and maintenance functions and adapted to control the appliances based on the vital information monitored by the testing and measuring instruments in the system. In one embodiment wherein the system is arranged in the centralized network configuration, the testing and measuring instruments and the control devices are connected via a local area network with a data controller (20) wherein all the vital information obtained in the system is stored. Instruments and devices (39; 43; 46; 49; 56) are permitted to access the controller through the network to retrieve necessary vital information therefrom. In another embodiment arranged in the distributed network configuration, the vital information obtained by respective measuring instruments is stored therein and is furnished upon request to the other appliances.

Classifications:

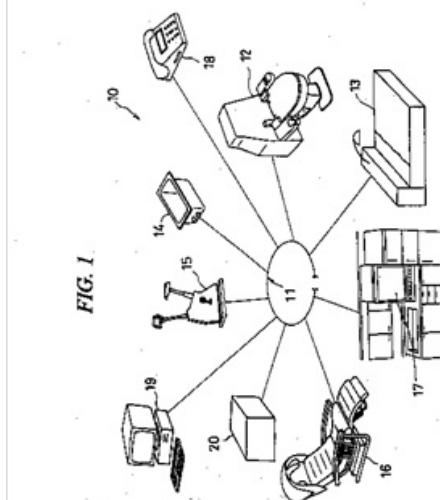
International (IPC 8-9): A61B5/00 A61B5/01 A61B5/117 A61B5/20 A61B5/22 A63B24/00 A63B69/00 G06F13/38 G06F17/00 G06F19/00 G06K17/00 G06Q50/00 G06Q50/10 G06Q50/22 G06Q50/24 (Advanced/Invention); A61B5/00 (Advanced/Non-invention); A61B5/00 A61B5/01 A61B5/117 A61B5/20 A61B5/22 A63B24/00 A63B69/00 G06F19/00 G06Q50/00 (Core/Invention); A61B5/00 G06K17/00 (Core/Non-invention)

International (IPC 1-7): A61B5/00 A61B5/04 A61B5/117 A61B5/20 A61B5/22 A61B5/22 A63B24/00 A63B69/00 G06F13/38 G06F15/00 G06F15/403 G06F15/42 G06F17/00 G06F17/60 G06F19/00

CPC: A61B5/002 A61B5/0022 A61B5/14507 A61B5/20 A61B5/222

European: A61B5/117 A61B5/145D A61B5/20 A61B5/22B2 K61B5/00B

US: 128/708 128/709 128/736 128/766 364/413.02 364/413.04 364/413.06 4/314 4/420 4/661 600/300

**Family:**

Publication number	Publication date	Application number	Application date
AT160692 E	19971215	AT19930102247T	19930212
CA2090734 AA	19930825	CA19932090734	19930224
CA2090734 C	19980908	CA19932090734	19930224
DE69315458 D1	19980115	DE19936015458	19930212
DE69315458 T2	19980416	DE19936015458T	19930212
EP0558975 A1	19930908	EP19930102247	19930212
EP0558975 B1	19971203	EP19930102247	19930212
JP10323331 A2	19981208	JP19980164315	19980528
JP3144030 B2	20010307	JP19920072895	19920224
JP5228116 A2	19930907	JP19920072895	19920224
KR0152671 B1	19981001	KR19930002540	19930224
KR19930017550 A	19930920	KR19930002540	19930224
TW213412 B	19930921	TW19930101110	19930217
US5410471 A	19950425	US19930016366	19930211

Priority:

JP19920072895 19920224

CA19932090734 19930224

CA19932090734 19930224

JP19980164315 19980528

Probable Assignee: TOTO LTD**Assignee(s):** (std): TOTO LTD**Assignee(s):** TOTO LTD KITAKYUSHU FUKUOKA JP ; ALYFUKU KIYOSHI ; HIRUTA YOSHIKI ; TOTO KIKI KK ; TOTO KIKI KKJP**Inventor(s):** (std): HIRUTA YOSHIKI ; ALYFUKU KIYOSHI ; ARIFUKU KIYOSHI**Inventor(s):** ALYFUKU KIYOSHI C O TOTO LTD ; HIRUTA YOSHIKI C O TOTO LTD**Agent(s):** SIM AND MCBURNEY**Designated states:** AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE**5) Family number: 73070575 (CN208453189U)**

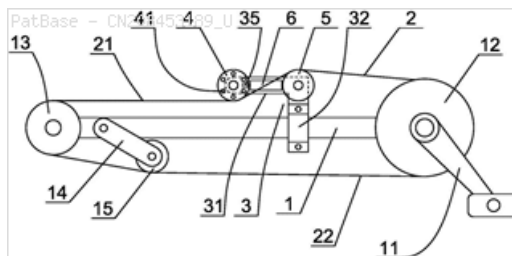
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Title: TORQUE SENSOR OF TAPE SPEED DEGREE SENSOR DETECTION

Abstract: The utility model discloses a torque sensor of tape speed degree sensor detection, include along automobile body longitudinal arrangement's sensor elastomer, but be equipped with the strain sensor of sensing sensor elastomer deformation on the sensor elastomer, the one end of sensor elastomer is connected on the automobile body of helping hand bicycle, and the other end of sensor elastomer is equipped with the sensing pinch roller, and the sensing pinch roller pastes the tensioning section upside that leans on and push the driving chain of helping hand bicycle, and the tensioning section form the V - arrangement in sensing pinch roller department buckles, sensing pinch roller side is equipped with a plurality of magnet pieces at circumferencial direction evenly distributed, be equipped with the hall element corresponding with the magnet piece on the sensor elastomer. The utility model discloses can make in -wheel motor's boosting effect and cyclist's riding mode phase -match, guarantee subjective wish that the cyclist can be based on oneself and conveniently control the riding speed of vehicle, can reach good training effect in laborsaving.

Classifications:**International (IPC 8-9):** B62J99/00 B62M6/45

B62M6/50 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208453189 U	20190201	CN201821046895U	20180703

Priority:

CN201821046895U 20180703

Probable Assignee: ZHEJIANG XINQU TECH CO LTD

Assignee(s): (std): ZHEJIANG XINQU TECH CO LTD

Assignee(s): ZHEJIANG XINQU TECHNOLOGIES CO ; DRIVE ZHEJIANG XIN TECHNOLOGY CO LTD

Inventor(s): (std): ZHANG CUNBIAO ; WANG KAI ; WANG XINBO

6) Family number: 32690357 (RU2264246C)

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Title: DEVICE FOR TRAINING CYCLISTS

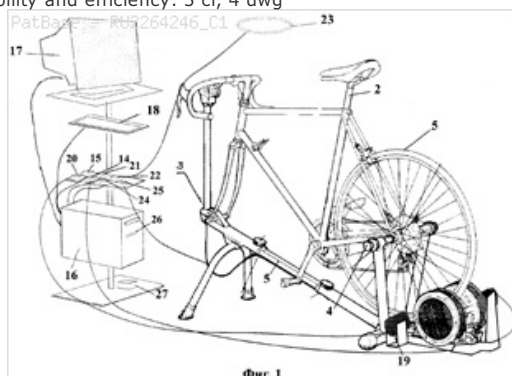
Abstract: FIELD: cyclist training devices. SUBSTANCE: proposed device ensures smooth contactless control of load, continuous check of physical state of sportsman by organism response and control of load relative to this response, orientation to optimal systoles in software. Proposed training device has frame for holding the cyclist which includes unit for attachment of front wheel fork and unit of fixed support of bicycle rear wheel. Rear wheel is connected by friction clutch with roller mounted on axle installed on frame. Mounted on one side of axle is also fan impeller and load changed in stepwise manner is mounted on its other side; said load is formed by means of permanent magnet force on metal disk revolving together with wheel. Output signal of cyclist motion sensor is fixed to roller rotation. Dynamic load is created by means of interaction of eddy currents arising in revolving metal disk by means of control winding wound on core of magnetic circuit which embraces part of disk surface; it is connected to system unit of personal computer through first amplifier and first analog-to-digital converter. Field winding of electric motor is connected to system unit through second amplifier and second analog-to-digital converter. Axle of electric motor is mechanically connected with bicycle rear wheel. Systole sensor and cyclist motion sensor are connected to system unit of personal computer through first and second analog-to-digital converters, respectively. All units and sensors are connected to power supply source. Operation of device is performed at control of applied programs and video films. EFFECT: enhanced reliability and efficiency. 5 cl, 4 dwg

Classifications:

International (IPC 8-9): A63B69/16 (Advanced/Invention);

A63B69/16 (Core/Invention)

International (IPC 1-7): A63B69/16



Family:

Publication number	Publication date	Application number	Application date
RU2004104054 A	20050720	RU20040104054	20040211
RU2264246 C1	20051120	RU20040104054	20040211

Priority:

RU20040104054 20040211

Probable Assignee: KABARDINO BALKARIAN STATE UNIV HM BERBEKOV

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Inventor(s): (std): VISHNIKIN D A ; SVECHKAREV V G ; KOZLOV S I ; KHAZHILIEV N JU ; KHARENKO S A ; CHERKESOV T JU ; CHERKESOV JU T ; AFANASENKO V V

Inventor(s): AFANASENKO VV ; CHERKESOV JUT ; CHERKESOV TJU ; KHARENKO SA ; KHAZHILIEV NJU ; KOZLOV SI ; SVECHKAREV VG ; VISHNIKIN D.A.

7) Family number: 45954294 (IN00549MU2010A)

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Title: AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED PRODUCTION OF RULE BASED NEAR LIVE SPORTS EVENT IN THE FORM OF A VIDEO FILM FOR ENTERTAINMENT

Abstract: An apparatus, system, and method for automated production of sport video using expert sports video production rules. Methods and systems for automated rule based real and live sports video or film or movie productions by merging pre-created standardize video clips as per administrator score or points or goal settings and domain or subject specific film or movie production rules by domain and subject specific rule engine and real time or near real time live broadcasting or telecasting or streaming or screening or transmission or playing or recording live or real sports match event via multiple

International (IPC 8-9): G06T17/00 H04N5/445
H04N5/765 (Advanced/Invention)



Publication number	Publication date	Application number	Application date
IN00549MU2010 A	20100709	IN2010MU00549	20100303

Probable Assignee:	RATHOD YOGESH CHUNILAL
Assignee(s):	RATHOD YOGESH CHUNILAL
Inventor(s):	RATHOD YOGESH CHUNILAL