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The Designs Act, 1993

The Trade Marks Act, 1963

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The Registration of Copyright in Cinematograph Films Act, 1977

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Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

Registrar of Patents

21: 2010/08492. 22: 2010/11/25. 43: 2021/07/01
51: F04D

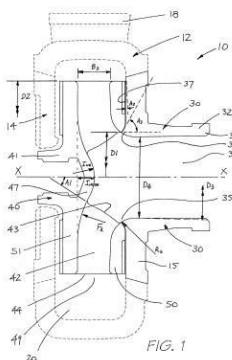
71: Weir Minerals Australia Ltd
72: BURGESS, Kevin Edward, LIU, Wen-Jie,
LAVAGNA, Luis Moscoso

33: AU 31: 2008902665 32: 2008-05-27

**54: IMPROVEMENTS RELATING TO
CENTRIFUGAL PUMP IMPELLERS**

00: -

A centrifugal pump impeller includes front and back shrouds and a plurality of pumping vanes therebetween, each pumping vane having a leading edge in the region of an impeller inlet and a trailing edge, the front shroud has an arcuate inner face in the region of the impeller inlet, the arcuate inner face having a radius of curvature (R_1) in the range from 0.05 to 0.16 of the outer diameter of the impeller (D_2). The back shroud includes an inner main face and a nose having a curved profile with a nose apex in the region of the central axis which extends towards the front shroud, there being a curved transition region between the inner main face and the nose. F is the radius of curvature of the transition region and the ratio F/D_2 is from 0.32 to 0.65. Other ratios of various dimensions of the impeller are also described.



21: 2013/01598. 22: 2013/03/01. 43: 2021/06/14
51: A61K; A61P; C07F

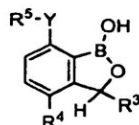
71: Anacor Pharmaceuticals, Inc.
72: HERNANDEZ, Vincent S., DING, Charles,
PLATTNER, Jacob J., ALLEY, Michael Richard
Kevin, ROCK, Fernando, ZHANG, Suoming,
EASOM, Eric, LI, Xianfeng, ZHOU, Ding

33: US 31: 61/380,596 32: 2010-09-07

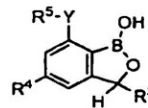
**54: BENZOZABOROLE DERIVATIVES FOR
TREATING BACTERIAL INFECTIONS**

00: -

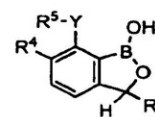
This invention relates to, among other items, benzoxaborole compounds and their use for treating bacterial infections. The compounds are of formula (I), (II) or (III) wherein R



(I)



(II)



(III)

21: 2013/01972. 22: 15/03/2013. 43: 2021/06/23
51: G01N

71: AUTHENTIX, INC.

72: CONROY, Jeffrey L. FORSHEE, Philip B
CRONIN, Paul John

33: US 31: 61/387,131 32: 2010-09-28

**54: DETERMINING THE QUANTITY OF A
TAGGANT IN A LIQUID SAMPLE**

00: -

Device and methods for detecting/quantifying a fluorescent taggant in a liquid sample. Generally, the liquid samples are fuels having low concentrations (measured in ppb) of a fluorescent taggant. The detection/quantification generates a predicted concentration of the fluorescent tagging compound using a process selected from the group of a multivariate process, a background subtraction process, or a combination of both. The invention addresses the detection of an adulteration of gasoline and diesel fuels.

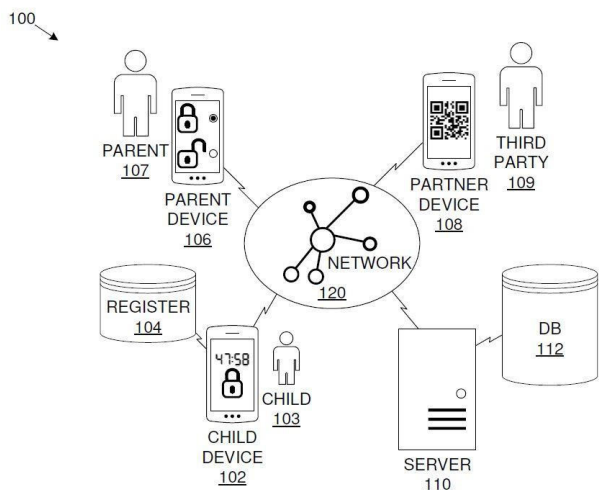


Figure 1

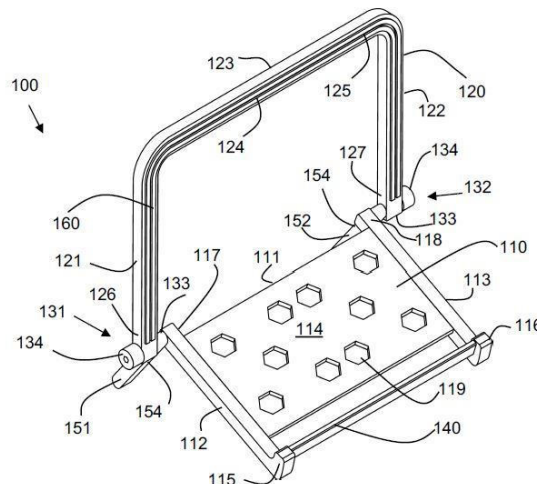


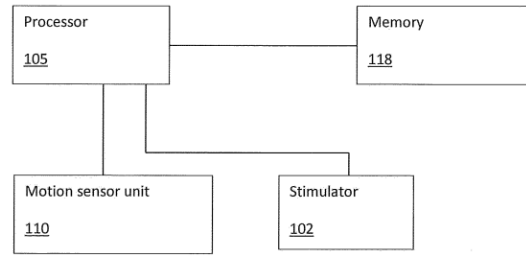
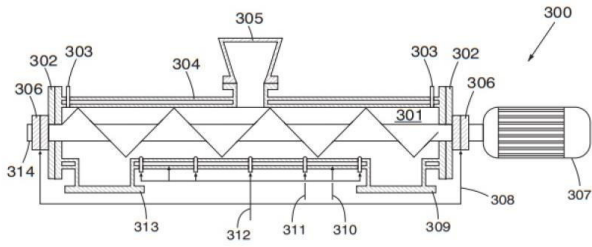
FIGURE 1A

21: 2020/06795. 22: 2020/10/30. 43: 2021/07/08
 51: F21L
 71: RIXTON, Benita Paula Doria
 72: RIXTON, Jamie Alexander, RIXTON, Benita Paula Doria, RIXTON, Katia Mea Doria
54: LAPTOP STAND

00: -
 A laptop stand is provided with a base member having a hinged surround member with a lighting means provided around an extent of the surround member. The laptop stand has an open condition in which the surround member is hinged in an open position with respect to the base member to hold an open laptop on the base member with the surround member disposed around a screen of the laptop, and a closed condition in which the surround member is hinged in a closed position in a planar arrangement with the base member. The lighting means is a non-flickering light source provided in an elongate form along a front surface of the surround member, wherein in the open condition, the lighting means provides illumination around a screen of the laptop.

21: 2020/06796. 22: 2020/10/30. 43: 2021/07/08
 51: B01J; C02F; C12M; C12P
 71: STELLENBOSCH UNIVERSITY
 72: GÖRGENS, Johann Ferdinand, DIEDERICKS, Danie, GYURE, Dale, KORSTEN, Steven
 33: ZA 31: 2019/07181 32: 2019-10-31
54: SYSTEM AND PROCESS FOR PREPARING A REACTION FEEDSTOCK

00: -
 The invention provides a feedstock preparation process for preparing a feedstock for a contaminant sensitive bioprocess. The feedstock preparation process may comprise the following steps: reducing a particulate size of the feedstock, thereby to provide a size-reduced feedstock; at least partially decontaminating the size-reduced feedstock, thereby to provide a decontaminated feedstock; and aseptically transferring the decontaminated feedstock into at least one reaction vessel. The feedstock may comprise a waste product from a paper-making process. The waste product may comprise paper sludge. The bioprocess may comprise a microbial bioconversion reaction adapted to convert sugars to alcohol. The feedstock preparation process may include mixing the feedstock during the decontamination step. The aseptic transfer step may include passing the decontaminated feedstock through an isolation valve means. The invention extends to a feedstock preparation system for preparing a feedstock for a contaminant sensitive bioprocess technology.



21: 2020/06800. 22: 30/10/2020. 43: 2021/07/08
 51: A63B; G09B
 71: WEST & BERGH HOLDING AB
 72: REDGÅRD, Fredrik, NILSSON, Johan
 33: EP 31: 18180493.1 32: 2018-06-28
54: REAL TIME GOLF SWING TRAINING AID
 00: -

A sports training aid comprising a body unit (110) attachable to a person's body or the person's sports implement wherein the body unit (110) is provided with a positioning sensor module; a feedback stimulator; and a processor. The sports training aid is configured to provide instantaneous feedback on motion faults of a studied sports motion, and the body unit (110) is intended to be attached to a person's body (or a person's sports implement) at a representative location, the location being bound to travel a path representative of the studied sports motion, and the positioning sensor module comprises acceleration sensors and gyro sensors, and the processor is configured to determine a still position corresponding to an event wherein the body unit (110) is determined to be still, and the processor is configured to keep track of the sensor module's movements relative to the still position, and the processor is configured to activate the feedback stimulator in real time, upon detection of a sports motion fault of the studied sports motion of the person as represented by the motion path of the sensor module.

21: 2020/06803. 22: 30/10/2020. 43: 2021/07/08
 51: F03D; G01P
 71: PROMECON PROCESS MEASUREMENT CONTROL GMBH
 72: Hans, Georg CONRADS, Matthias MÄDE
 33: DE 31: 10 2018 003 608.2 32: 2018-05-03
54: WIND TURBINE
 00: -

The invention relates to a wind turbine for harvesting electric energy, comprising a tower equipped with a rotatable gondola with a rotor which can be rotated about a horizontal rotational axis and which comprises an electric generator. The wind turbine additionally comprises a device for determining the flow direction and the speed of the incident wind and a device for controlling or regulating the alignment of the rotor against the incident wind. For this purpose, the device for determining the speed and the flow direction comprises receiving antenna pairs, by means of which electric signals are obtained using electrically influenced particles or air molecules carried by the incident wind and are supplied to a correlation measurement device. In the correlation measurement device, the time needed by the electrically influenced particles or molecules to traverse the distance between the receiving antennas of a receiving antenna pair is determined. Subsequently, the speed and the flow direction of the wind is calculated in a computing unit and are supplied to the device for controlling or regulating the alignment of the rotor.