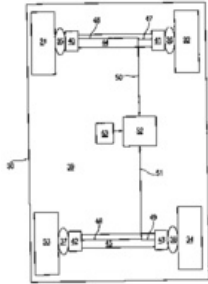
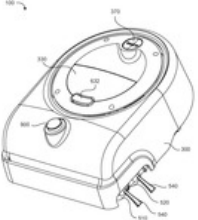


3 results for 38 and (infrared or optic) - Collection: FAMPAT

| #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   Title | Publication number | Publ. date | Applicant/Assignee                                                                                  |                                                                                     |
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| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Tire pressure and parameter monitoring system and method using accelerometers</a>                                                                             | EP1350642          | 2003-10-08 |  ROBERT BOSCH      |  |
| <p>Method for monitoring an operating condition of a vehicle including determining a longitudinal, a lateral, and/or a vertical acceleration, as well as a wheel rotation speed. Determining from the wheel rotation speed and the longitudinal, the lateral, and/or the vertical acceleration a tire condition, a wheel condition, and/or a suspension condition. Device including an accelerometer at a wheel of a vehicle, a wheel rotation speed sensor, and a microprocessor for determining an operating condition. The accelerometer determining a longitudinal, a lateral, and/or a vertical acceleration. The wheel rotation speed sensor determining a rotation speed of the wheel. The microprocessor electrically coupled to the accelerometer and the wheel rotation speed sensor. System for monitoring an operating condition of a vehicle including an accelerometer for each wheel of the vehicle at an axle-end. Each accelerometer determining a longitudinal, a lateral, and/or a vertical acceleration. Wheel rotation speed sensor for each wheel of the vehicle arranged at an axle-end and determining a rotation speed for each wheel. Microprocessor determining the operating condition including a tire condition, a wheel condition, and/or a suspension condition. The microprocessor electrically coupled to each accelerometer and each wheel rotation speed sensor.</p> |                                                                                                                                                                           |                    |            |                                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                           |                    |            |                                                                                                     |                                                                                     |
| 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Smart active tyre pressure optimising system</a>                                                                                                              | WO2013/114388      | 2013-08-08 |  PRASAD MUTHUKUMAR |  |
| <p>A Smart Active Tyre Pressure Optimising System (SATPOS) comprising of Tyre Pressure Optimising System (TPOS) (102) and Tyre Pressure Control Units (TPCU) (104). SATPOS is a highly time sensitive design and technique that instantaneously senses and controls the tyre pressure particularly in imminent and inevitable critical driving situations to reduce emergency &amp; high speed breaking distance, mitigate-loss of traction, hydroplaning, roll over or loss of stability, over &amp; under steering, loss of control due to puncture by smartly sensing, perform context aware computing and directing the TPCU (104) to instantaneously control the tyre pressure in right time with right pressure on right tyres. TPOS (102) performs sensing, pre-computing, current computing for controlling the tyre pressure during critical situation, post computing to optimise tyre pressure after overcoming accordingly. SATPOS enhances vehicle traction and stability in critical driving situations.</p>                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                           |                    |            |                                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                           |                    |            |                                                                                                     |                                                                                     |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Robot wall detection system</a>                                                                                                                               | EP2644074          | 2013-10-02 |  IROBOT            |  |
| <p>A robot wall detection system comprising: a body (100) configured to move over a surface; a sensor (310) carried by the body (100) for detecting the presence of a wall (319), the sensor (310) comprising: an emitter (312) configured to emit a directed beam (320) having a defined field of emission (316) toward a wall (319) in a substantially forward direction of the robot (10;11), and a detector (314) having a defined field of view (318) extending toward the wall (319) in a substantially forward direction of the body (100), the defined field of view (318) near-parallel to the defined field of emission (316) and intersecting the defined field of emission at a finite region substantially forward of the sensor (310); and a controller (1000) in communication with the detector for controlling the distance between the body (100) and the wall (319), and wherein the body (100) is configured to move the detector (314) forward at between about 200 mm/s and about 400 mm/s.</p>                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                           |                    |            |                                                                                                     |                                                                                     |
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