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| (71) Applicant: SHAHEEN INNOVATIONS HOLDING LIMITED [AE/AE]; Unit 2, Level 7, Al Sila Tower, Abu Dhabi Global Market Square, Al Maryah Island, Abu Dhabi (AE). | |
| (71) Applicant (<i>for TT only</i>): RUSBY-GALE, Daniel [GB/GB]; Port of Liverpool Building, Pier Head, Liverpool Merseyside L3 1AF (GB). | |
| (72) Inventor: LAHOUD, Imad; c/o Shaheen Innovations Holding Limited, Unit 2, Level 7, Al Sila Tower, Abu Dhabi Global Market Square, Al Maryah Island, Abu Dhabi (AE). | |

(54) Title: A MICROCHIP FOR DRIVING A RESONANT CIRCUIT

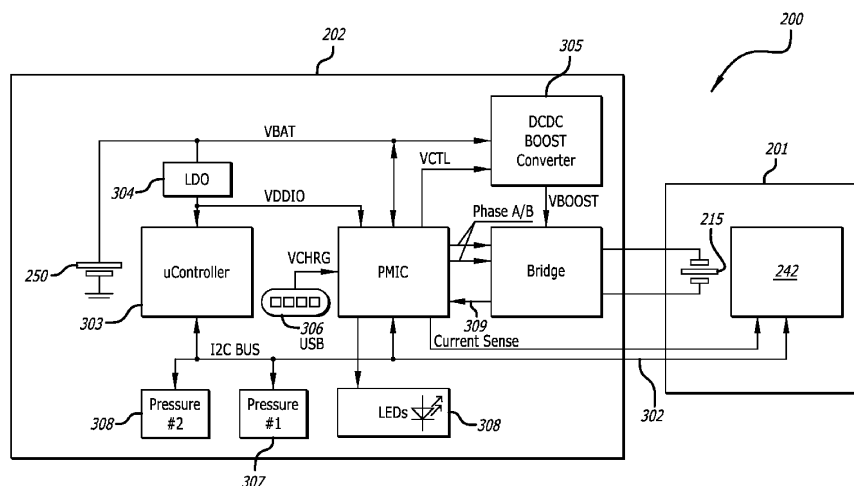


FIG. 1

(57) Abstract: A microchip (300) for driving a resonant circuit, wherein the resonant circuit is an LC tank, an antenna or a piezoelectric transducer, and wherein the microchip (300) is a single unit which comprises a plurality of interconnected embedded components and subsystems comprising at least an oscillator (315), a pulse width modulation (PWM) signal generator subsystem (329), an analogue to digital converter (ADC) subsystem (318) and a digital to analogue converter (DAC) subsystem (327).

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