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- (71) Applicant (for all designated States except US): **IMPERIAL COLLEGE INNOVATIONS LIMITED** [GB/GB]; Level 12, Electrical Engineering Building, Imperial College London, Exhibition Road, London SW7 2BT (GB).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **GREEN, Mino** [GB/GB]; 55 Gerard Road, Barnes, London SW13 9QJ (GB).
- (74) Agent: **ROBERTS, Gwilym, V.**; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).
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(54) Title: **STRUCTURED SILICON ANODE**

(57) Abstract: A silicon/lithium battery which can be fabricated from a silicon substrate allowing it to be produced as an integrated unit on a chip, the battery comprising a silicon anode formed from sub-micron diameter pillars of silicon fabricated on an n-type silicon wafer.