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(71) Applicant: NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: WANG, Qing; c/o National University of Singapore, College of Design and Engineering, Department of Materials Science and Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG). WANG, Zhiyu; c/o National University of Singapore, College of Design and Engineering, Department of Materials Science and Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG). HUANG, Songpeng; c/o National University of Singapore,

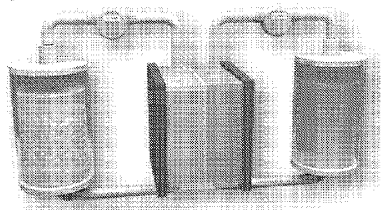
College of Design and Engineering, Department of Materials Science and Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG). WANG, Xun; c/o National University of Singapore, College of Design and Engineering, Department of Materials Science and Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG). SALLA, Manohar; c/o National University of Singapore, College of Design and Engineering, Department of Materials Science and Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(74) Agent: KINNAIRD, James Welsh; Marks & Clerk Singapore LLP, Tanjong Pagar Post Office, P.O Box 636, Singapore 910816 (SG).

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(54) Title: CAPACITY BOOSTERS FOR VANADIUM-BASED ELECTROLYTES

(a)



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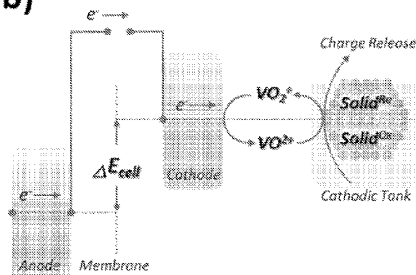


FIG. 1

(57) Abstract: The present invention provides a composite material suitable for boosting the capacity of a VO₂+ /VO₂+ electrolytic flow cell battery, the composite material comprising a capacity boosting material for a VO₂+ /VO₂+ flow cell, a carbon black, and a binder, wherein the capacity boosting material for a VO₂+ /VO₂+ flow cell is a material that is insoluble or is poorly soluble in an electrolyte suitable for use in a VO₂+ /VO₂+ flow cell, and the capacity boosting material for a VO₂+ /VO₂+ flow cell is a material that has a redox potential that is about the same as the redox potential of VO₂+ /VO₂+ , as measured relative to a standard hydrogen electrode. Also disclosed herein are a VO₂+ /VO₂+ flow cell battery comprising the capacity boosting material and a method of using the capacity boosting material for boosting the capacity of a VO₂+ /VO₂+ flow cell battery.

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