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(71) Applicant (for all designated States except US): **NEW-SOUTH INNOVATIONS PTY LIMITED** [AU/AU]; Rupert Myers Building, Barker Street, University of New South Wales, NSW 2052 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NEILAN, Brett, A.** [AU/AU]; 2/15 McKeon Street, Maroubra, NSW 2035 (AU). **MIHALI, Troco, Kaan** [DE/AU]; 2/18 Carlisle Street, Tamarama, NSW 2026 (AU). **KELLMANN, Ralf** [DE/NO]; Gamle Kirkeveien 5, N-5222 Nesttun (NO). **JEON, Young, Jae** [KR/AU]; 2/11 Anzac Parade, Kensington, NSW 2033 (AU).

(74) Agent: **SPRUSON & FERGUSON**; GPO Box 3898, Sydney, NSW 2001 (AU).

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(54) Title: CYANOBACTERIA SAXITOXIN GENE CLUSTER AND DETECTION OF CYANOTOXIC ORGANISMS

(57) Abstract: The present invention relates to methods for the detection of cyanobacteria, dinoflagellates, and in particular, methods for the detection of cyanotoxic organisms. Kits for the detection of cyanobacteria, dinoflagellates, and cyanotoxic organisms are provided. The invention further relates to methods of screening for compounds that modulate the activity of polynucleotides and/or polypeptides of the saxitoxin and cylindrospermopsin biosynthetic pathways.



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