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(71) Applicant *(for all designated States except US)*: **INSCEPTION BIOSCIENCE, INC.** [CA/CA]; 200 Front Street West, Suite 3004, P.O. Box 31, Toronto, Ontario M5V 3K2 (CA).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MADLAMBAYAN, Gerard** [CA/CA]; 200 Front Street West, Suite 3004, P.O. Box 31, Toronto, Ontario M5V 3K2 (CA). **ZANDSTRA, Peter** [CA/CA]; 200 Front Street West, Suite 3004, P.O. Box 31, Toronto, Ontario M5V 3K2 (CA).

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(54) Title: APPARATUS AND METHODS FOR AMPLIFICATION OF BLOOD STEM CELL NUMBERS

(57) Abstract: The present invention provides an apparatus and methods for expansion of hematopoietic stem cell numbers. The stem cells are cultured and differentiated cells and endogenous growth factors are removed (depleted), permitting long term culture and expansion of the stem cells. The hematopoietic stem cells are used in numerous therapeutic procedures.

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