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(71) Applicant: **WISCONSIN ALUMNI RESEARCH FOUNDATION** [US/US]; 614 Walnut Street, P.O. Box 7365, Madison, WI 53707-7365 (US).

(72) Inventors: **KAUFMAN, Dan, S.**; 8391 Hidden Ponds Alcove, Woodbury, MN 55125 (US). **LEWIS, Rachel**; 2943 King James Way, Madison, WI 53719 (US). **AUERBACH, Robert**; 4905 Foxfire Trail, Middleton, WI 53562 (US).

(74) Agent: **SEAY, Nicholas, J.**; Quarles & Brady LLP, P.O. Box 2113, Madison, WI 53701-2113 (US).

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(54) Title: ENDOTHELIAL CELLS DERIVED FROM PRIMATE EMBRYONIC STEM CELLS

(57) Abstract: A method is described to induce primate embryonic stem cells to differentiate into a relatively homogenous population of endothelial cells. The ES derived endothelial cells have the general morphological and cell surface marker characteristics of endothelial cells. The ES derived endothelial cells also are capable of inducing and participating in blood vessel formation (or vascularization) when transplanted into tissue in vivo.