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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

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David J. Kayros

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Cegielski et al.

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(54) **STEM CELL LINES FROM DEER ANTLERS, THEIR APPLICATION AND CULTURE METHODS**

(58) **Field of Classification Search** 435/325, 435/455
See application file for complete search history.

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 110 days.

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(57) **ABSTRACT**

New lines of stem cells from the growing antlers of deer (Cervidae) and the application of said cells in the reconstruction of connective tissue, preferentially bone, cartilage or adipose tissue, in humans and animals; as well as a method of culturing them and the application of tissues from growing deer antlers in the production of the MIC-1 stable stem cell line.

3 Claims, 1 Drawing Sheet