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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.

Therefore, this

United States Patent

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Lucia Stone Lee

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(12) **United States Patent**
Saw

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(54) **METHOD AND COMPOSITION FOR NEOCHONDROGENESIS**
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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 0 days.

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(65) **Prior Publication Data**

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A61K 9/10 (2006.01)

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(52) **U.S. Cl.** **424/93.7; 424/488; 435/372**

(58) **Field of Classification Search** **424/93.7, 424/488; 435/372**

See application file for complete search history.

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(57) **ABSTRACT**

A method of neochondrogenesis, where following microfracture surgery or subchondral drilling, includes administering injections of an effective amount of a composition to the damaged, affected connective tissue, for example knee joint cartilage. The composition includes a mixture of hyaluronic acid combined with harvested stem cells, for example autologous peripheral blood-derived stem cells.

9 Claims, 10 Drawing Sheets