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(54) **INDUCED PLURIPOTENT STEM CELLS
PRODUCED WITH OCT3/4, KLF4 AND SOX2**

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(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a nuclear reprogramming factor having an action of reprogramming a differentiated somatic cell to derive an induced pluripotent stem (iPS) cell. The present invention also relates to the aforementioned iPS cells, methods of generating and maintaining iPS cells, and methods of using iPS cells, including screening and testing methods as well as methods of stem cell therapy. The present invention also relates to somatic cells derived by inducing differentiation of the aforementioned iPS cells.

4 Claims, 57 Drawing Sheets
(41 of 57 Drawing Sheet(s) Filed in Color)