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(54) Title: PLEURIPOTENT STEM CELLS GENERATED FROM ADIPOSE TISSUE-DERIVED STROMAL CELLS AND USES THEREOF

(57) Abstract: The invention is in the area of pleuripotent stem cells generated from adipose tissue-derived stromal cells and uses thereof. In particular, the invention includes isolated adipose tissue derived stromal cells that have been induced to express at least one phenotypic characteristic of a neuronal, astroglial, hematopoietic progenitor, or hepatic cell. The invention also includes an isolated adipocyte tissue-derived stromal cell that has been dedifferentiated such that there is an absence of adipocyte phenotypic markers.