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[Continued on next page]

(54) Title: CULTURE METHOD TO OBTAIN AND MAINTAIN A PURE OR ENRICHED POPULATION OF MAMMALIAN NEURAL STEM CELLS AND/OR NEURAL PROGENITOR CELLS THAT ARE PRONE TO DIFFERENTIATE INTO OLIGODENDROCYTE-LINEAGE CELLS *IN VITRO*

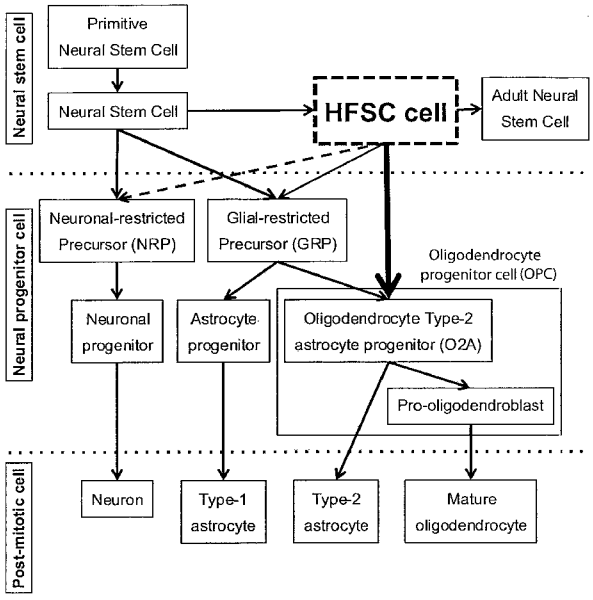


Figure 1

(57) Abstract: An isolated expandable human neural stem or progenitor cell wherein the cell is a progenitor cells or stem cell, maintains its capability to differentiate into neurons, astrocytes, and oligodendrocytes, maintains its ability to differentiate into oligodendrocyte lineage cells efficiently throughout subsequent passages, and the cell expresses at least cell surface antigens CD133 and CD140a. Also provided is a method of *in vitro* culturing an expandable neural progenitor or stem cell isolated from a mammalian central nervous system, and the culture itself, wherein said cell maintains its capability to differentiate into neurons, astrocytes, and oligodendrocytes and its ability to differentiate into oligodendrocyte-lineage cells efficiently. In addition, a method of treating a condition caused by a loss of myelin or a loss of oligodendrocytes is provided as is a composition comprising an isolated expandable neural stem cell or one cultured by the methods of the invention.

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— *with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description (Rules 13bis.4(d)(i) and 48.2(a)(viii))*