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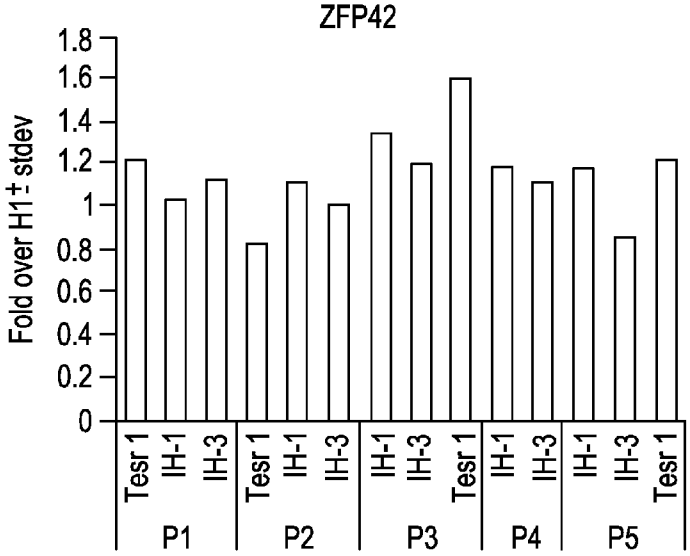
— *as to the identity of the inventor (Rule 4.17(i))*

[Continued on next page]

(54) Title: DEFINED MEDIA FOR EXPANSION AND MAINTENANCE OF PLURIPOTENT STEM CELLS

(57) Abstract: The present invention provides methods to promote the proliferation of undifferentiated pluripotent stem cells in defined media. Specifically, the invention provides a defined cell culture formulation for the culture, maintenance, and expansion of pluripotent stem cells, wherein culturing stem cells in the defined cell culture formulation maintains the pluripotency and karyotypic stability of the cells for at least 10 passages. Further disclosed is a cell population grown under defined media conditions that express OCT4, SOX2, NANOG, and FOXA2.

FIG. 4A



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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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