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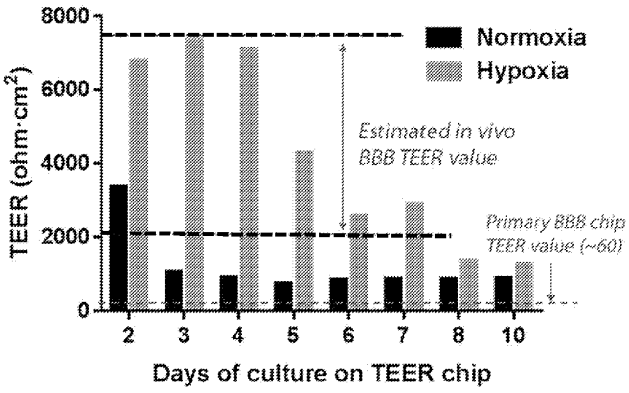
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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

[Continued on next page]

(54) Title: IMPROVED BLOOD-BRAIN BARRIER ENDOTHELIAL CELLS DERIVED FROM PLURIPOTENT STEM CELLS FOR BLOOD-BRAIN BARRIER MODELS

FIG. 7



(57) Abstract: The invention relates to a method of creating a human blood-brain barrier (BBB) model from the differentiation of human pluripotent stem cells (hPSCs), wherein the BBB exhibits sustained transendothelial electrical resistances (TEER) over 2000 Ω. cm² for at least 3 days after seeding.

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