

Title (en)

PRODUCTION AND USE OF DOPAMINERGIC CELLS TO TREAT DOPAMINERGIC DEFICIENCIES

Title (de)

PRODUKTION UND VERWENDUNG VON DOPAMINERGISCHEN ZELLEN FÜR DIE BEHANDLUNG VON DOPAMINERGISCHEN DEFIZIENZEN.

Title (fr)

PRODUCTION ET UTILISATION DE CELLULES DOPAMINERGIQUES POUR TRAITER DES DEFICIENCES DOPAMINERGIQUES

Publication

**EP 1109887 A1 20010627 (EN)**

Application

**EP 98959412 A 19981110**

Priority

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- US 9451598 P 19980729

Abstract (en)

[origin: WO0006700A1] Differentiated neuronal cells suitable for transplantation in individuals with a dopamine deficiency are derived from progenitor cells. The progenitor cells are treated with at least one inducing agent such as retinoic acid for a time period sufficient to optimize expression of tyrosine hydroxylase. The cells intended for transplantation are optionally treated with a lithium salt to enhance bcl-2 production and survival. Optionally, the progenitor cells may be co-cultured with Sertoli cells, astrocytes, glial cells, accessory cells or a combination thereof. The transplantation-ready cells are isolated and harvested. The resulting neuronal cells are highly purified and have a phenotype optimized for a dopaminergic deficiency, such as Parkinson's Disease.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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