

Title (en)  
METHOD FOR PRODUCING HUMAN CLONED EMBRYOS BY EMPLOYING INTER-SPECIES NUCLEAR TRANSPLANTATION TECHNIQUE

Title (de)  
VERFAHREN ZUR PRODUKTION VON GEKLONTEN, MENSCHLICHEN EMBRYOS MITTELS EINER INTERSPEZIES-KERNTRANSPLANTATIONSTECHNIK.

Title (fr)  
PROCEDE D'OBTENTION D'EMBRYONS HUMAINS CLONES AU MOYEN DE TECHNIQUES DE TRANSPLANTATION INTER-ESPECES DE NOYAUX

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Application  
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Abstract (en)  
[origin: WO0100793A1] The present invention provides a method for producing human cloned embryos by employing inter-species nuclear transplantation technique. The method for producing human cloned embryos of the invention comprises the steps of: preparing donor somatic cell lines collected from human; maturing oocytes collected from ovary of cow in vitro; removing the cumulus cells surrounding the oocytes; cutting a portion of zona pellucida of the matured oocytes to make a slit, and squeezing out a portion of cytoplasm including the first polar body through the slit to give enucleated recipient oocytes; transferring a nucleus to the recipient oocyte by injection of the donor cells to the enucleated recipient oocytes, followed by the subsequent electrofusion and activation of the electrofused cells to give embryos; and, postactivating and culturing the embryos in vitro. The human cloned embryos of the invention can be employed to obtain the human embryonic stem cells, which may be widely applied in biological and medical fields.

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Citation (search report)  
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• See references of WO 0100793A1

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