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US 60/400,344 (CIP)
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(54) Title: METHOD OF SELECTING CELLS FOR SOMATIC CELL NUCLEAR TRANSFER

(57) Abstract: The present invention provides for the production of homozygous primary cells that carry a specific transgenic integration if interest on both chromosomes by bypassing breeding. These cell lines can they be used for the accelerated production of homozygous transgenic animals by somatic cell nuclear transfer. The invention is thus useful in the production of transgenic ungulate animals capable of producing desired biopharmaceuticals in their milk at higher yield than a comparable heterozygote. By combining the selection techniques of the current invention with somatic cell nuclear transfer it can be applied to large animals, where there is a strong need to shorten the time to homozygosity.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21719

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01K 67/00; C12N 15/00

US CL : 800/3, 8, 21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 800/3, 8, 21

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
biosis medline caplus east

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WELLS et al. Cloning livestock: a return to embryonic stem cells. Trends in Biotechnology. Vol. not known, No. not known, Month not known, pages 1-4.	1-25

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Further documents are listed in the continuation of Box C.

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See patent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

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