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(54) Title: CLONED CELLS, EMBRYOS, AND AVIANS AND METHODS, OF PRODUCING THEM

(57) Abstract: Methods for producing cloned non-human animals by nuclear transfer and by combinations of nuclear transfer and ovum transfer, employing near-infrared visualization of the recipient cell nucleus are described herein. Transgenic, knock-out, and knock-in avians are provided. Method for producing eggs which contain exogenous proteins are encompassed by the present invention. Thus, the instant invention satisfies the need for an effective route to the generation of cloned avians.

INTERNATIONAL SEARCH REPORT

Int. Patent Application No
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/00 A01K67/027		
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) IPC 7 A01K C07K		
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 practical, search terms used) BIOSIS, EPO-Internal		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
° Special categories of cited documents :		
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed		*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* 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. *&* document member of the same patent family
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Chambonnet, F

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