



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A | MEROK J R ET AL: "Breaching the kinetic barrier to in vitro somatic stem cell propagation" JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY, DAR AL-NASR AL-ILIKTRUNI, CAIRO, EG, vol. 1, no. 1, January 2001 (2001-01), pages 25-27, XP002286427 ISSN: 1110-7243 * the whole document * | 1 | A61K51/00 A61K31/14 A61M36/14 A01N37/00 |
| T | MEROK JOSHUA R ET AL: "Cosegregation of chromosomes containing immortal DNA strands in cells that cycle with asymmetric stem cell kinetics." CANCER RESEARCH, vol. 62, no. 23, 1 December 2002 (2002-12-01), pages 6791-6795, XP002368051 ISSN: 0008-5472 * the whole document * | 1-10 | |
| T | CAIRNS JOHN: "Somatic stem cells and the kinetics of mutagenesis and carcinogenesis" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 99, no. 16, 6 August 2002 (2002-08-06), pages 10567-10570, XP002368052 ISSN: 0027-8424 * the whole document * | 1 | TECHNICAL FIELDS SEARCHED (IPC) C12Q G01N A61K |
| ----- -/-- | | | |
| The supplementary search report has been based on the last set of claims valid and available at the start of the search. | | | |
| Place of search Munich | | Date of completion of the search 16 February 2006 | Examiner Nichogiannopoulou, A |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |

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EPO FORM 1503 03.82 (F04C04)



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| T | <p>TANNENBAUM EMMANUEL ET AL: "Evolutionary dynamics of adult stem cells: comparison of random and immortal-strand segregation mechanisms." PHYSICAL REVIEW. E, STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, vol. 71, no. 4 Pt 1, April 2005 (2005-04), pages 041914.1-041914.9, XP002368053 ISSN: 1539-3755 * the whole document *</p> <p style="text-align: center;">-----</p> | 1 | |
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EPO FORM 1503 03.82 (F04C04)

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|----------------|--|---------|------------|
| 专利名称(译) | 干细胞的独特性质 | | |
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| 申请号 | EP2002795481 | 申请日 | 2002-07-17 |
| [标]申请(专利权)人(译) | 麻省理工学院 | | |
| 申请(专利权)人(译) | 麻省理工学院 | | |
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| [标]发明人 | SHERLEY JAMES L MEROK JOSHUA R | | |
| 发明人 | SHERLEY, JAMES, L. MEROK, JOSHUA, R. | | |
| IPC分类号 | C12N5/08 C12Q1/68 C12Q1/6841 G01N33/50 G01N33/53 A61K51/00 A61K31/14 A61M36/14 A01N37/00 | | |
| CPC分类号 | C12Q1/6841 C12Q2563/173 C12Q2563/131 C12Q2525/101 | | |
| 代理机构(译) | 布朗, 大卫LESLIE | | |
| 优先权 | 60/306072 2001-07-17 US | | |
| 其他公开文献 | EP1429812A2 | | |
| 外部链接 | Espacenet | | |

摘要(译)

本发明涉及干细胞的独特性质，包括通过鉴定与干细胞中的染色体特异性相关的分子来鉴定干细胞标志物的方法。更具体地说，我们已经发现体细胞干细胞重复遗传了整个染色体的互补序列，这些染色体包含从一代到下一代的相同亲本模板DNA链。本发明还提供了涉及哺乳动物组织（包括人）的癌症和衰老的诊断，预后和治疗的方法。

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| Munich | | 15 February 2006 | Nichogiannopoulou, A |
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