

Title (en)  
CONDITIONAL TRANSFORMATION OF GENETICALLY ENGINEERED CELLS

Title (de)  
DIE ABHÄNGIGE TRANSFORMATION VON GENETISCH MANIPULIERTEN ZELLEN

Title (fr)  
TRANSFORMATION DE L'ETAT DE CELLULES PRODUITES PAR GENIE GENETIQUE

Publication  
**EP 0785992 A4 19991222 (EN)**

Application  
**EP 95937629 A 19951025**

Priority  
• US 9513776 W 19951025  
• US 32893194 A 19941025

Abstract (en)  
[origin: WO9612796A1] This invention concerns materials, methods and applications relating to the multimerizing of chimeric proteins with a dimeric or multimeric, preferably non-peptidic, ligand. Aspects of the invention are exemplified by ligand-mediated transformation of stem cells permitting stem cell growth in a growth-factor independent manner.

IPC 1-7  
**C12N 5/10**; **C12N 15/12**; **C07K 14/47**; **C07K 14/705**

IPC 8 full level  
**C12N 15/00** (2006.01); **C07K 14/47** (2006.01); **C07K 14/705** (2006.01); **C07K 14/715** (2006.01); **C07K 19/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/62** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)  
**C07K 14/4705** (2013.01); **C07K 14/715** (2013.01); **C12N 15/62** (2013.01); **C07K 2319/00** (2013.01); **C07K 2319/03** (2013.01); **C07K 2319/42** (2013.01); **C07K 2319/715** (2013.01); **C07K 2319/72** (2013.01)

Citation (search report)  
• [DX] WO 9418317 A1 19940818 - UNIV LELAND STANFORD JUNIOR [US], et al  
• [DPX] WO 9502684 A1 19950126 - UNIV LELAND STANFORD JUNIOR [US], et al  
• [E] WO 9606111 A1 19960229 - ARIAD GENE THERAPEUTICS INC [US], et al  
• [A] WO 9323550 A2 19931125 - GENENTECH INC [US], et al  
• [PX] SPENCER D M ET AL: "A general strategy for producing conditional alleles of Src-like tyrosine kinases.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1995 OCT 10) 92 (21) 9805-9., XP002117490  
• [PX] HOLSINGER L J ET AL: "Signal transduction in T lymphocytes using a conditional allele of Sos.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1995 OCT 10) 92 (21) 9810-4., XP002117491  
• [DPY] PRUSCHY M N ET AL: "Mechanistic studies of a signaling pathway activated by the organic dimerizer FK1012.", CHEMISTRY AND BIOLOGY, (1994 NOV) 1 (3) 163-72., XP002117492  
• [XY] ARONHEIM A ET AL: "Membrane targeting of the nucleotide exchange factor Sos is sufficient for activating the ras signaling pathway", CELL, vol. 78, 23 September 1994 (1994-09-23), NA US, pages 949 - 961, XP002117493  
• [A] KOLANUS, WALDEMAR ET AL: "T cell activation by clustered tyrosine kinases", CELL (CAMBRIDGE, MASS.) ( 1993 ), 74(1), 171-83, XP002117494  
• See references of WO 9612796A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9612796 A1 19960502**; AU 3968595 A 19960515; EP 0785992 A1 19970730; EP 0785992 A4 19991222; JP H11511643 A 19991012

DOCDB simple family (application)  
**US 9513776 W 19951025**; AU 3968595 A 19951025; EP 95937629 A 19951025; JP 51413396 A 19951025