



(11) **EP 0 672 160 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(48) Corrigendum issued on:
22.09.2010 Bulletin 2010/38

(45) Date of publication and mention
of the grant of the patent:
11.08.2010 Bulletin 2010/32

(21) Application number: **94903405.2**

(22) Date of filing: **02.12.1993**

(51) Int Cl.:
C12N 15/90 (2006.01) **A61K 48/00** (2006.01)
C12N 15/18 (2006.01) **C12N 15/27** (2006.01)

(86) International application number:
PCT/US1993/011704

(87) International publication number:
WO 1994/012650 (09.06.1994 Gazette 1994/13)

(54) **ACTIVATING EXPRESSION OF AN AMPLIFYING ENDOGENOUS GENE BY HOMOLOGOUS RECOMBINATION**

EXPRIMIERUNGSAKTIVATION UND VERVIELFÄLTIGUNG VON ENDOGENEM GEN MIT
HOMOLOGER REKOMBINATION

ACTIVATION D'EXPRESSION ET D'AMPLIFICATION D'UN GENE ENDOGENE PAR
RECOMBINAISON HOMOLOGUE

(84) Designated Contracting States:
**AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE**

(30) Priority: **03.12.1992 US 985586**

(43) Date of publication of application:
20.09.1995 Bulletin 1995/38

(73) Proprietor: **Shire Human Genetic Therapies, Inc.
Cambridge, MA 02139 (US)**

(72) Inventors:
• **TRECO, Douglas, A.
Arlington, MA 02174 (US)**

• **HEARTLEIN, Michael, W.
Boxborough, MA 01719 (US)**
• **SELDEN, Richard, F.
Wellesley, MA 02181 (US)**

(74) Representative: **White, Martin Paul et al
Patents Designs & Brands Ltd.
211 The Colonnades
Liverpool
L3 4AB (GB)**

(56) References cited:
EP-A- 0 117 059 WO-A-90/12025
WO-A-91/00361 WO-A-91/09955
WO-A-92/10561 WO-A-92/20808
US-A- 4 822 736

EP 0 672 160 B8

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).