

Title (en)  
IDENTIFICATION OF SUBSTANCES THAT MODIFY CELLULAR SECRETORY FUNCTION

Title (de)  
IDENTIFIZIERUNG VON SUBSTANZEN, DIE DIE SEKRETION VON ZELLEN BEEINFLUSSEN

Title (fr)  
LIGNEES CELLULAIRES RECOMBINEES POUR LE CRIBLAGE DE MEDICAMENTS

Publication  
**EP 1047938 A2 20001102 (EN)**

Application  
**EP 99901421 A 19990111**

Priority

- US 9900551 W 19990111
- US 7119398 P 19980112
- US 7120998 P 19980112
- US 7255698 P 19980112
- US 8782198 P 19980603
- US 8784898 P 19980603

Abstract (en)  
[origin: WO9935255A2] The present invention provides compositions and methods of comprising engineered human neuroendocrine cell lines having a regulated secretory pathway. More particularly, the present invention provides methods and compositions for engineering regulated secretion into cells. Certain aspects of the invention provide glycemic sensing mechanisms to a population of genetically engineered cells. In particular embodiments, the present invention provides compositions and methods of providing indirect glycemic sensing mechanisms to a population of genetically engineered cells. Specifically contemplated are methods and compositions for engineering indirect glucose sensing and glucose counter regulation capacity into cells. Methods of using these cells for minimizing hypoglycemia in diabetic therapy are also disclosed.

IPC 1-7  
**G01N 33/50**; **C12N 5/10**; **G01N 33/74**

IPC 8 full level  
**A61K 48/00** (2006.01); **G01N 33/50** (2006.01); **A61K 35/12** (2015.01)

CPC (source: EP)  
**A61K 48/00** (2013.01); **C12N 5/0037** (2013.01); **C12N 5/0676** (2013.01); **G01N 33/5008** (2013.01); **G01N 33/502** (2013.01); **G01N 33/5044** (2013.01); **G01N 33/5058** (2013.01); **G01N 33/507** (2013.01); **A61K 35/12** (2013.01); **C12N 2500/20** (2013.01); **C12N 2500/22** (2013.01); **C12N 2500/24** (2013.01); **C12N 2500/32** (2013.01); **C12N 2500/38** (2013.01); **C12N 2500/40** (2013.01); **C12N 2500/46** (2013.01); **C12N 2500/90** (2013.01); **C12N 2510/02** (2013.01); **C12N 2533/74** (2013.01)

Citation (search report)  
See references of WO 9935495A2

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

DOCDB simple family (publication)  
**WO 9935255 A2 19990715**; **WO 9935255 A3 19991028**; **WO 9935255 A8 19990910**; **WO 9935255 A9 20010531**; AU 2112199 A 19990726; AU 2113199 A 19990726; AU 2455199 A 19990726; CA 2318376 A1 19990715; CA 2318379 A1 19990715; EP 1045898 A2 20001025; EP 1047938 A2 20001102; WO 9935242 A1 19990715; WO 9935242 A9 19990930; WO 9935495 A2 19990715; WO 9935495 A3 19991125

DOCDB simple family (application)  
**US 9900631 W 19990111**; AU 2112199 A 19990111; AU 2113199 A 19990111; AU 2455199 A 19990111; CA 2318376 A 19990111; CA 2318379 A 19990111; EP 99901421 A 19990111; EP 99904073 A 19990111; US 9900551 W 19990111; US 9900633 W 19990111