Title (en)

AMPLIFIED DIRECTION OF EFFECTOR GROUPS TO SPECIFIC TARGET CELLS IN AN ANIMAL.

Title (de)

VERSTÄRKTE RICHTUNG VON EFFEKTORGRUPPE ZUR SPEZIFISCHE TARGETZELLEN IN TIER.

Title (fr)

ORIENTATION AMPLIFIEE DE GROUPES EFFECTEURS VERS DES CELLULES CIBLES CHEZ UN ANIMAL.

Publication

EP 0680340 A1 19951108 (EN)

Application

EP 94907865 A 19940121

Priority

- US 9400813 W 19940121
- US 663693 A 19930121

Abstract (en)

[origin: WO9416734A1] Targeting certain effector molecules to specific living cells, such as a cancer cells, or their constituents in an animal including a human. In the method of the invention sequential formation of specific binding pairs targets effector molecules in an amplified fashion to a particular target cell. Initially, a specific binding pair if formed between a target molecule on the target cell and a first reagent. This specific binding pair formation results from specific binding between the target molecule and a first functional group on the first reagent. Sequential specific binding pairs are then formed between the first reagent and a second reagent, the second reagent and a third reagent etc.. These sequential specific binding pairs form because each reagent has a second functional group that specifically binds to a first functional group present in the next reagent in the sequence. Amplification occurs because the first and second functional groups on each reagent are multivalent. Generally, the last reagent in the sequence has a first functional group, but has an effector group in place of the second functional group. The effector group may be either a diagnostic marker or a therapeutic molecule.

IPC 1-7

A61K 47/48

IPC 8 full level

A61K 47/48 (2006.01); **A61K 51/08** (2006.01)

CPC (source: EP)

A61K 47/665 (2017.07); **A61K 47/6898** (2017.07); **A61K 47/6899** (2017.07); **A61K 51/088** (2013.01); **B82Y 5/00** (2013.01); A61K 2121/00 (2013.01); A61K 2123/00 (2013.01)

Citation (search report)

See references of WO 9416734A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9416734 A1 19940804; AU 6126794 A 19940815; CA 2154471 A1 19940804; EP 0680340 A1 19951108; IL 108388 A0 19940412; JP H08508713 A 19960917

DOCDB simple family (application)

US 9400813 W 19940121; AU 6126794 A 19940121; CA 2154471 A 19940121; EP 94907865 A 19940121; IL 10838894 A 19940120; JP 51723994 A 19940121