

Title (en)
PROCESS OF INVESTIGATING THE INTERACTION BETWEEN BIOMOLECULES BY MEANS OF SURFACE PLASMON RESONANCE

Title (de)
VERFAHREN ZUR UNTERSUCHUNG DER WECHSELWIRKUNG VON BIOMOLEKÜLEN MITTELS OBERFLÄCHEN-PLASMON-RESONANZ

Title (fr)
PROCEDE DE RECHERCHE DE L'INTERACTION ENTRE DES BIOMOLECULES PAR RESONANCE DE PLASMON SUPERFICIEL

Publication
EP 0784792 A2 19970723 (DE)

Application
EP 95933414 A 19950921

Priority
• DE 4433980 A 19940923
• EP 9503731 W 19950921

Abstract (en)
[origin: DE4433980A1] The invention concerns a process, a biosensor unit which can be regenerated and suitable kits for investigating the interaction between biomolecules by means of surface plasmon resonance (SPR). One of the reagents, a (poly)peptide, is coupled to the surface of the biosensor unit by means of a metal chelate. Nitriolotriacetic acid derivatives to which proteins with an affinity peptide containing histidine groups can be bonded are preferably used as chelate formers.

IPC 1-7
G01N 33/543; **G01N 33/544**; **G01N 33/68**; **C07C 229/26**; **B01D 15/08**; **G01N 21/55**

IPC 8 full level
G01N 21/27 (2006.01); **G01N 33/543** (2006.01); **G01N 33/547** (2006.01)

CPC (source: EP KR)
B01D 15/08 (2013.01 - KR); **C07C 229/26** (2013.01 - KR); **G01N 33/543** (2013.01 - KR); **G01N 33/54373** (2013.01 - EP)

Citation (search report)
See references of WO 9609547A2

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)
DE 4433980 A1 19960328; **DE 4433980 C2 19960822**; AU 3608995 A 19960409; BR 9509077 A 19971125; CA 2198615 A1 19960328; CN 1158658 A 19970903; CO 4410395 A1 19970109; EP 0784792 A2 19970723; JP H10505910 A 19980609; KR 970706494 A 19971103; PL 319354 A1 19970804; WO 9609547 A2 19960328; WO 9609547 A3 19960530; ZA 958024 B 19960325

DOCDB simple family (application)
DE 4433980 A 19940923; AU 3608995 A 19950921; BR 9509077 A 19950921; CA 2198615 A 19950921; CN 95195182 A 19950921; CO 95043762 A 19950921; EP 9503731 W 19950921; EP 95933414 A 19950921; JP 51060696 A 19950921; KR 19970701787 A 19970319; PL 31935495 A 19950921; ZA 958024 A 19950922