

Publication

EP 0573577 A4 19940302

Application

EP 92907824 A 19920227

Priority

US 66179391 A 19910227

Abstract (en)

[origin: WO9215333A1] A method for attaching technetium-99m to proteins using reducing metal reagents to achieve binding to high affinity binding sites and high specific activity. The reagents play a dual role under the given experimental conditions by reducing disulfide bonds in the proteins to sulfhydryl groups suitable for binding to technetium, and reducing pertechnetate from Tc(VII) to Tc(III) or Tc(V). Reduction of disulfide on the protein is conducted initially with an excess of reducing metal reagent, a pertechnetate reagent is added at the end of the protein reduction reaction and allowed to continue to reduce the technetium. Thereafter a chelator scavenger is added to remove poorly bound or unbound technetium.

IPC 1-7

A61K 49/02

IPC 8 full level

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CPC (source: EP)

A61K 51/10 (2013.01); **C07B 59/008** (2013.01); **A61K 2123/00** (2013.01)

Citation (search report)

- [XY] US 4652440 A 19870324 - PAIK CHANG H [US], et al
- [XY] EP 0237150 A2 19870916 - NEORX CORP [US]
- [X] EP 0248506 A1 19871209 - MALLINCKRODT INC [US]
- [XY] WO 9101754 A1 19910221 - RHODES BUCK A [US]
- [PA] WO 9104056 A1 19910404 - IMMUNOMEDICS INC [US]
- [Y] EP 0403225 A2 19901219 - IMMUNOMEDICS INC [US]
- See references of WO 9215333A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

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