

Title (en)
ANTIBODY-OXIDASE CONJUGATES WITH NON-SYSTEMIC SUBSTRATES

Publication
EP 0449998 A4 19920115 (EN)

Application
EP 90908348 A 19900321

Priority
US 37404889 A 19890630

Abstract (en)
[origin: WO9100108A1] Enzyme-immunoconjugates which can be used for therapeutic purposes without significant patient side effects due to their administration. The general type of enzyme-immunoconjugate is composed of any antibody or fragment thereof linked to an oxidase whose natural substrate is not normally present in the body fluids or otherwise available in the extracellular spaces of the body. The therapeutic action of such oxidases lies in their ability to produce the cytotoxic yet biologically rapidly degrading agent hydrogen peroxide. Such oxidase-immunoconjugates would be specifically targeted to the desired tissues by use of the antibody component but would not be active until such time as a substrate of exogenous source is administered to the patient, whereupon hydrogen peroxide would be produced by the enzymatic process wherever the oxidase-immunoconjugate is present.

IPC 1-7
A61K 39/395; **A61K 37/50**; **C12N 11/02**; **C12N 9/96**; **C12N 9/04**

IPC 8 full level
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CPC (source: EP)
A61K 47/67 (2017.07); **A61K 47/6893** (2017.07); **A61K 47/6899** (2017.07); **B82Y 5/00** (2013.01)

Citation (search report)
• [X] WO 8601720 A1 19860327 - CYTOGEN CORP [US]
• [E] EP 0361908 A2 19900404 - IDEON CORP [US]
• See references of WO 9100108A1

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DOCDB simple family (publication)
WO 9100108 A1 19910110; AU 5732290 A 19910117; EP 0449998 A1 19911009; EP 0449998 A4 19920115

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