

Title (en)  
IMMUNOASSAY FOR NON-A NON-B HEPATITIS

Publication  
**EP 0544861 A4 19970604 (EN)**

Application  
**EP 92911917 A 19920429**

Priority  
• US 71447191 A 19910613  
• US 71805291 A 19910620

Abstract (en)  
[origin: WO9222571A1] An assay for antigens of hepatitis C virus utilizes a synthetic peptide comprising the first 38 amino acids of the capsid region containing at least two immunodominant epitopes. The assay detects antibodies in the sera of patients infected with the Non-A Non-B hepatitis virus. Of particular efficacy is a competitive inhibition assay, which incorporates in the liquid phase an inhibitor consisting of a peptide containing only one of the immunodominant capsid epitopes, which is capable of inhibiting binding of antibodies to all target epitopes present on the solid substrate.

IPC 1-7  
**C07K 7/00; C12Q 1/70**

IPC 8 full level  
**C07K 7/06** (2006.01); **C07K 7/08** (2006.01); **C07K 14/00** (2006.01); **C07K 14/18** (2006.01); **C07K 16/00** (2006.01); **G01N 33/53** (2006.01); **G01N 33/576** (2006.01)

CPC (source: EP)  
**C07K 14/005** (2013.01); **C12N 2770/24222** (2013.01)

Citation (search report)  
• [DX] EP 0388232 A1 19900919 - CHIRON CORP [US]  
• [DA] EP 0363025 A2 19900411 - UNIV OSAKA RES FOUND [JP]  
• [PX] EP 0442394 A2 19910821 - UNITED BIOMEDICAL INC [US] & US 5106726 A 19920421 - WANG CHANG Y [US]  
• [A] KUO G ET AL: "AN ASSAY FOR CIRCULATING ANTIBODIES TO A MAJOR ETIOLOGIC VIRUS OF HUMAN NON-A, NON-B HEPATITIS", SCIENCE, vol. 244, no. 4902, 21 April 1989 (1989-04-21), pages 362 - 364, XP000051651  
• See references of WO 9222571A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9222571 A1 19921223**; AU 1972092 A 19930112; AU 648912 B2 19940505; CA 2087974 A1 19921214; EP 0544861 A1 19930609; EP 0544861 A4 19970604; JP 3350729 B2 20021125; JP H06500796 A 19940127

DOCDB simple family (application)  
**US 9203635 W 19920429**; AU 1972092 A 19920429; CA 2087974 A 19920429; EP 92911917 A 19920429; JP 51115392 A 19920429