

Title (en)  
REDOX REVERSIBLE HCV PROTEINS WITH NATIVE-LIKE CONFORMATION

Title (de)  
UMKEHRBAR OXYDOREDUKTION VON HCV-PROTEINEN DIE NATIVER-ANHLICHER STRUKTUR BESITZEN

Title (fr)  
PROTEINE DU VIRUS DE L'HEPATITE C (HCV) A OXYDOREDUCTION REVERSIBLE A CONFORMATION DE TYPE ENDOGENE

Publication  
**EP 1224214 A1 20020724 (EN)**

Application  
**EP 00972863 A 20001025**

Priority  

- EP 00972863 A 20001025
- EP 0010499 W 20001025
- EP 99870225 A 19991027
- US 16928899 P 19991207

Abstract (en)  
[origin: WO0130815A1] The present invention relates to HCV proteins in which cysteine residues are reversibly protected during purification. Eventually, this purification procedure results in HCV proteins with biological activity and a native-like protein conformation, which present corresponding epitopes. The present invention pertains also to drug screening methods using these HCV proteins, and diagnostic and therapeutic applications, such as vaccines and drugs.

IPC 1-7  
**C07K 14/18**; **C12N 15/51**; **C07K 16/10**; **A61K 39/29**; **A61P 31/14**

IPC 8 full level  
**G01N 33/50** (2006.01); **A61K 39/00** (2006.01); **A61K 39/29** (2006.01); **A61P 1/16** (2006.01); **A61P 31/12** (2006.01); **A61P 31/14** (2006.01); **C07K 14/18** (2006.01); **C07K 16/10** (2006.01); **C12N 15/51** (2006.01); **C12Q 1/26** (2006.01); **G01N 33/15** (2006.01); **G01N 33/576** (2006.01)

IPC 8 main group level  
**A61K** (2006.01); **A61P** (2006.01); **C07K** (2006.01); **C12N** (2006.01)

CPC (source: EP US)  
**A61P 1/16** (2018.01 - EP); **A61P 31/12** (2018.01 - EP); **A61P 31/14** (2018.01 - EP); **C07K 14/005** (2013.01 - EP); **C07K 16/109** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US); **C07K 2317/34** (2013.01 - EP); **C12N 2770/24222** (2013.01 - EP)

Citation (examination)  

- US 4734362 A 19880329 - HUNG CHUNG-HO [US], et al
- WO 9015071 A1 19901213 - GENETIC SYSTEMS CORP [US]
- See also references of WO 0130815A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0130815 A1 20010503**; AU 1144501 A 20010508; BR 0015170 A 20020625; CA 2387666 A1 20010503; CN 1384839 A 20021211; CZ 20021819 A3 20030618; EP 1224214 A1 20020724; HU P0203195 A2 20021228; HU P0203195 A3 20040728; JP 2003513022 A 20030408; MX PA02004052 A 20021107; NZ 518095 A 20030926; PL 354990 A1 20040322; RU 2002109480 A 20040310; ZA 200203169 B 20030923

DOCDB simple family (application)  
**EP 0010499 W 20001025**; AU 1144501 A 20001025; BR 0015170 A 20001025; CA 2387666 A 20001025; CN 00814993 A 20001025; CZ 20021819 A 20001025; EP 00972863 A 20001025; HU P0203195 A 20001025; JP 2001533812 A 20001025; MX PA02004052 A 20001025; NZ 51809500 A 20001025; PL 35499000 A 20001025; RU 2002109480 A 20001025; ZA 200203169 A 20020422