



(11) **EP 2 344 892 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 54**

(51) Int Cl.:  
**G01N 33/94 (2006.01)**

(86) International application number:  
**PCT/US2009/058913**

(48) Corrigendum issued on:  
**12.11.2014 Bulletin 2014/46**

(87) International publication number:  
**WO 2010/039754 (08.04.2010 Gazette 2010/14)**

(45) Date of publication and mention  
of the grant of the patent:  
**21.05.2014 Bulletin 2014/21**

(21) Application number: **09740779.5**

(22) Date of filing: **30.09.2009**

(54) **Glucuronidated acetaminophen as a marker of hepatic disorders**

Glucuronidiertes Acetaminophen als Marker für Lebererkrankungen

Acétaminophène glucuronidé en tant que marqueur de troubles hépatiques

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR**  
**HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL**  
**PT RO SE SI SK SM TR**

(30) Priority: **01.10.2008 US 194835 P**

(43) Date of publication of application:  
**20.07.2011 Bulletin 2011/29**

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(56) References cited:

- **EL-AZAB G ET AL: "Acetaminophen plasma level after oral administration in liver cirrhotic patients suffering from schistosomal infection" INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS, vol. 34, no. 7, 1996, pages 299-303, XP8117148 ISSN: 0946-1965**
- **FORREST J A H ET AL: "PARACETAMOL METABOLISM IN CHRONIC LIVER DISEASE" EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY, SPRINGER VERLAG, DE, vol. 15, no. 6, 1 November 1979 (1979-11-01), pages 427-431, XP008117151 ISSN: 0031-6970 [retrieved on 2004-12-12]**
- **GMYREK D: "Results of administration of large oral dose of paracetamol to children with infectious hepatitis" DTSCHXSESUNDH.WE 1971, vol. 26, no. 11, 1971, pages 503-508, XP008117173**
- **CORCORAN G B ET AL: "OBESITY AS A RISK FACTOR IN DRUG-INDUCED ORGAN INJURY INCREASED LIVER AND KIDNEY DAMAGE BY ACETAMINOPHEN IN THE OBESE OVERFED RAT" JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 241, no. 3, 1987, pages 921-927, XP8117295 ISSN: 0022-3565**

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**EP 2 344 892 B8**

- LICKTEIG ANDREW J ET AL: "Efflux transporter expression and acetaminophen metabolite excretion are altered in rodent models of nonalcoholic fatty liver disease" DRUG METABOLISM AND DISPOSITION, vol. 35, no. 10, October 2007 (2007-10), pages 1970-1978, XP002563826 ISSN: 0090-9556 cited in the application
- SHINODA SHIGEO ET AL: "Pharmacokinetics/ pharmacodynamics of acetaminophen analgesia in Japanese patients with chronic pain" BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol. 30, no. 1, January 2007 (2007-01), pages 157-161, XP002563827 ISSN: 0918-6158
- LIANG M Z ET AL: "Pharmacokinetics of Mycophenolic Acid and Its Glucuronide After a Single and Multiple Oral Dose of Mycophenolate Mofetil in Chinese Renal Transplantation Recipients" TRANSPLANTATION PROCEEDINGS, ORLANDO, FL, US, vol. 38, no. 7, 1 September 2006 (2006-09-01), pages 2044-2047, XP025008414 ISSN: 0041-1345 [retrieved on 2006-09-01]