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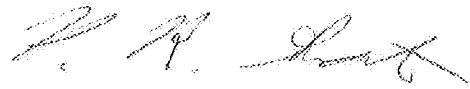
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**U.S. PATENT: 7,700,645
ISSUE DATE: April 20, 2010**

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(12) **United States Patent**
Vermeersch et al.

(10) **Patent No.:** **US 7,700,645 B2**
(45) **Date of Patent:** **Apr. 20, 2010**

(54) **PSEUDOPOLYMORPHIC FORMS OF A HIV
PROTEASE INHIBITOR**

FOREIGN PATENT DOCUMENTS

(75) Inventors: **Hans Wim Pieter Vermeersch**, Ghent (BE); **Daniel Joseph Christiaan Thoné**, Beerse (BE); **Luc Donné Marie-Louise Janssens**, Malle (BE)

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(73) Assignee: **Tibotec Pharmaceuticals Ltd.**, Little Island, Co. Cork (IE)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1320 days.

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Primary Examiner—Celia Chang

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(2), (4) Date: **Nov. 12, 2004**

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A61K 31/353 (2006.01)

(52) **U.S. CL** **514/456; 549/396**

(58) **Field of Classification Search** **514/456;**
549/396

See application file for complete search history.

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(57) **ABSTRACT**

New pseudopolymorphic forms of (3R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl(1S,2R)-3-[(4-aminophenylsulfonyl](isobutyl)amino]-1-benzyl-2-hydroxypropylcarbamate and processes for producing them are disclosed.

8 Claims, 18 Drawing Sheets

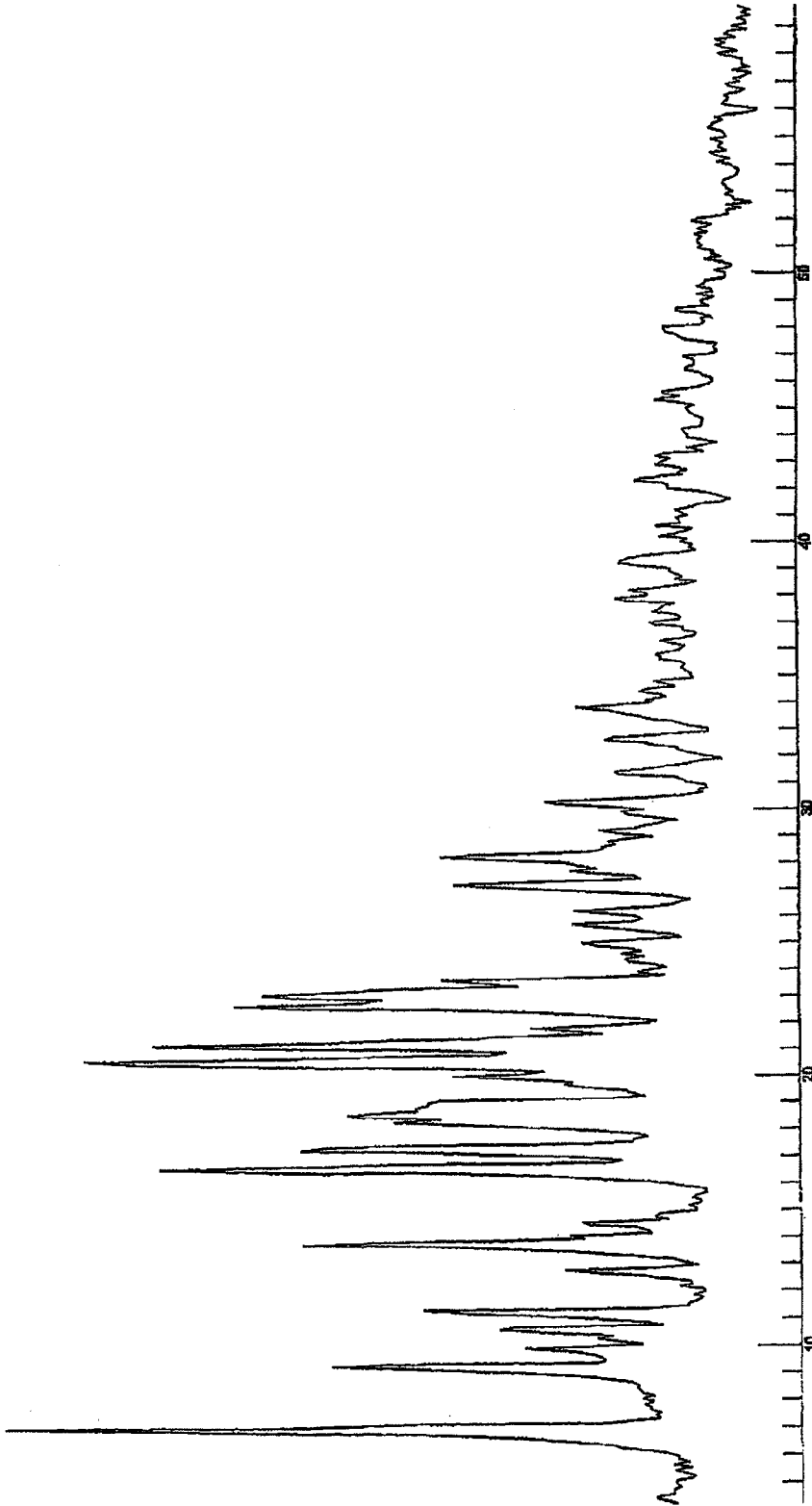


Figure 1

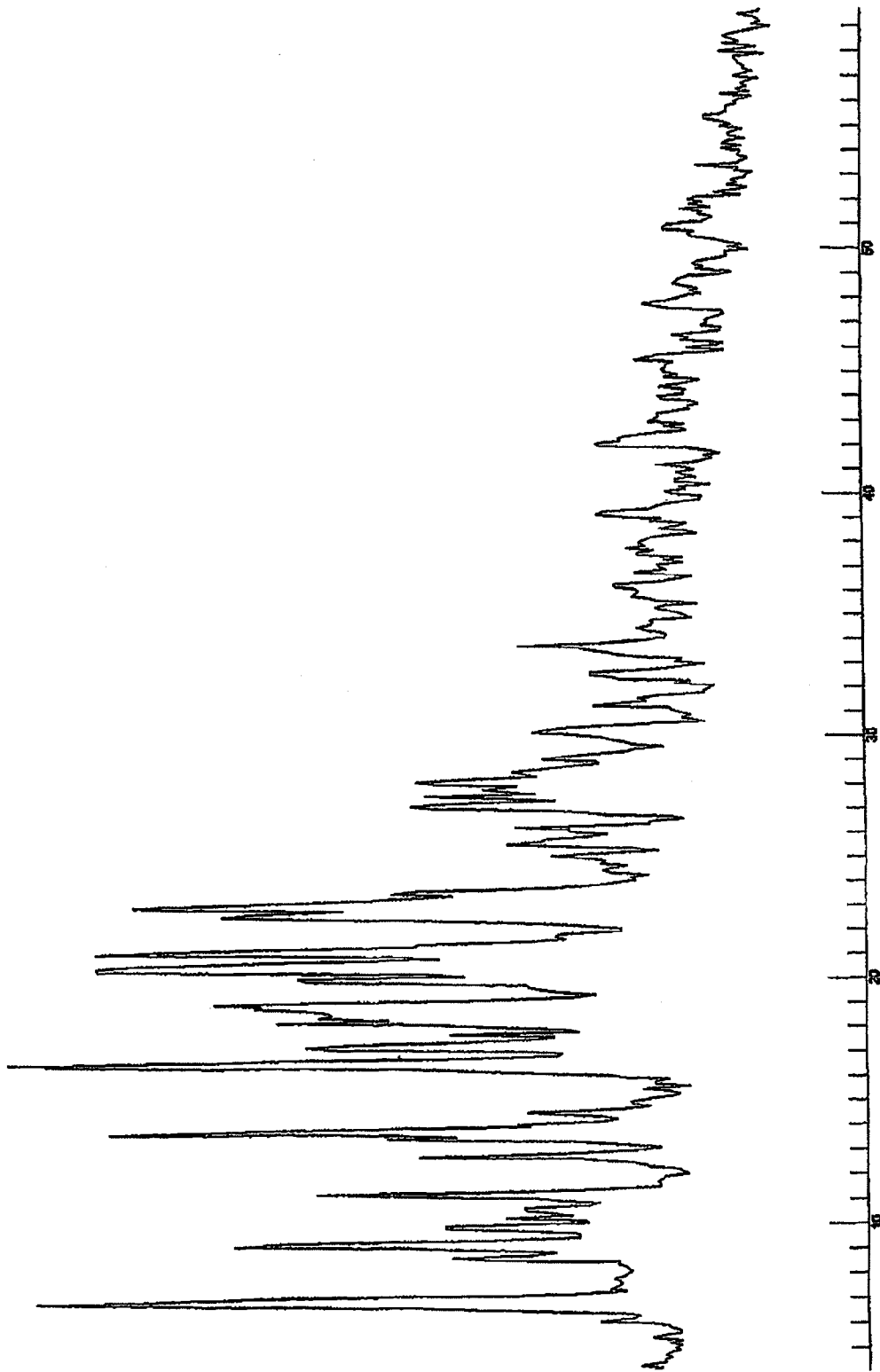


Figure 2

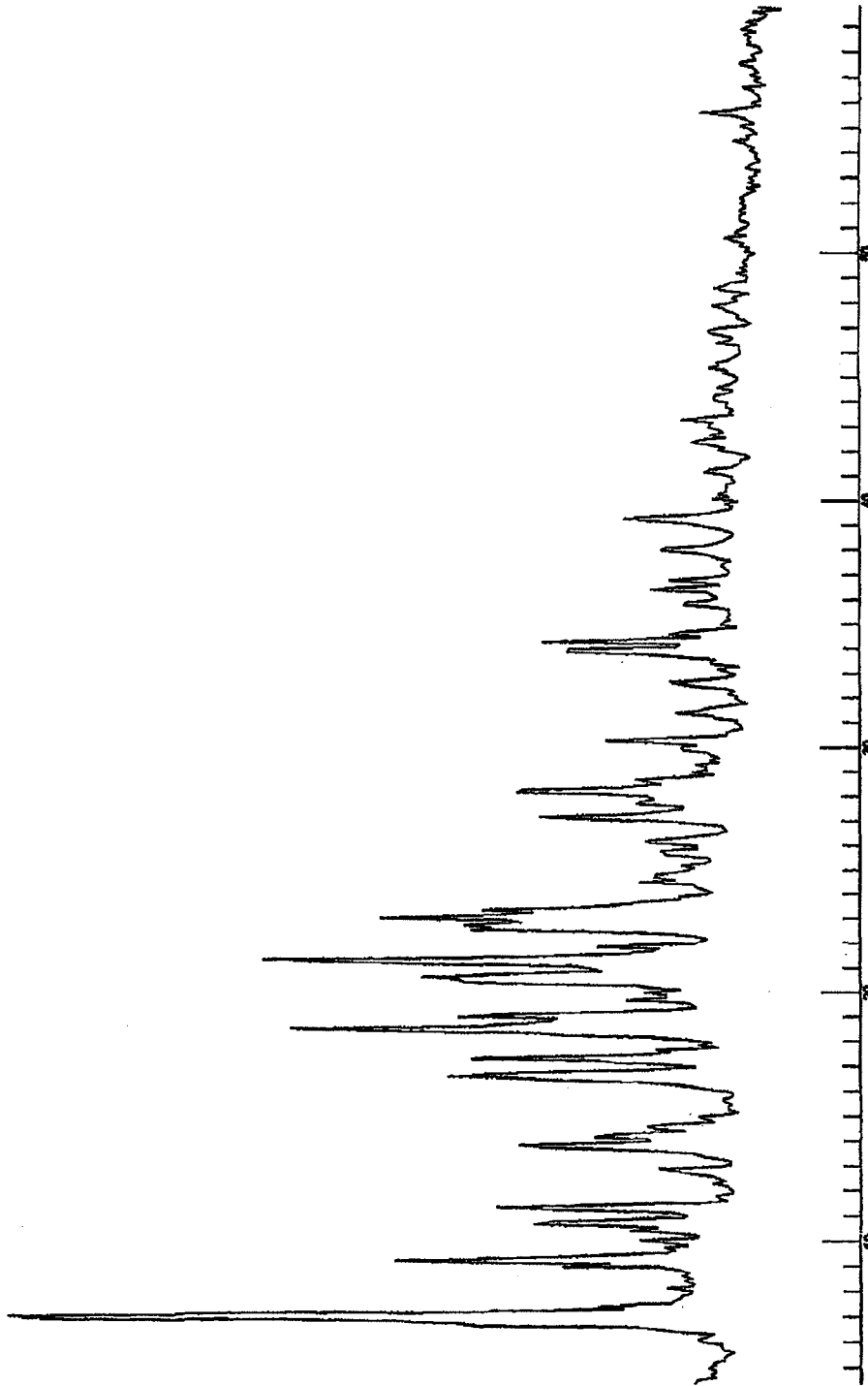


Figure 3

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