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Casteel et al.

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(54) **SOLID FORMS OF AN ANTIVIRAL COMPOUND**

A61K 31/7072 (2013.01); *C07F 9/65586* (2013.01); *C07H 19/06* (2013.01)

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(58) **Field of Classification Search**

None

See application file for complete search history.

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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 0 days.

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(21) Appl. No.: **14/563,639**

Primary Examiner — Patrick Lewis

(22) Filed: **Dec. 8, 2014**

(57) **ABSTRACT**

(65) **Prior Publication Data**

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Crystalline solid forms of the anti-HCV compound (S)-isopropyl 2-((S)-(((2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-fluoro-3-hydroxy-4-methyltetrahydrofuran-2-yl)methoxy)(phenoxy)phosphorylamino)propanoate (Compound I) are described

Related U.S. Application Data

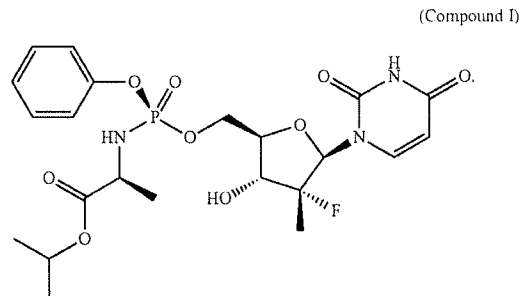
(60) Provisional application No. 61/920,371, filed on Dec. 23, 2013.

(51) **Int. Cl.**

A01N 43/04 (2006.01)
A61K 31/70 (2006.01)
C07H 19/10 (2006.01)
A61K 31/7052 (2006.01)
A61K 31/7064 (2006.01)
A61K 31/706 (2006.01)
A61K 31/7068 (2006.01)
A61K 31/7072 (2006.01)
C07F 9/6558 (2006.01)
C07H 19/06 (2006.01)

(52) **U.S. Cl.**

CPC *C07H 19/10* (2013.01); *A61K 31/706* (2013.01); *A61K 31/7052* (2013.01); *A61K 31/7064* (2013.01); *A61K 31/7068* (2013.01);



Also provided are processes of making and methods of using the crystalline forms.

10 Claims, 10 Drawing Sheets

Gilead 2005
I-MAK v. Gilead
IPR2018-00126

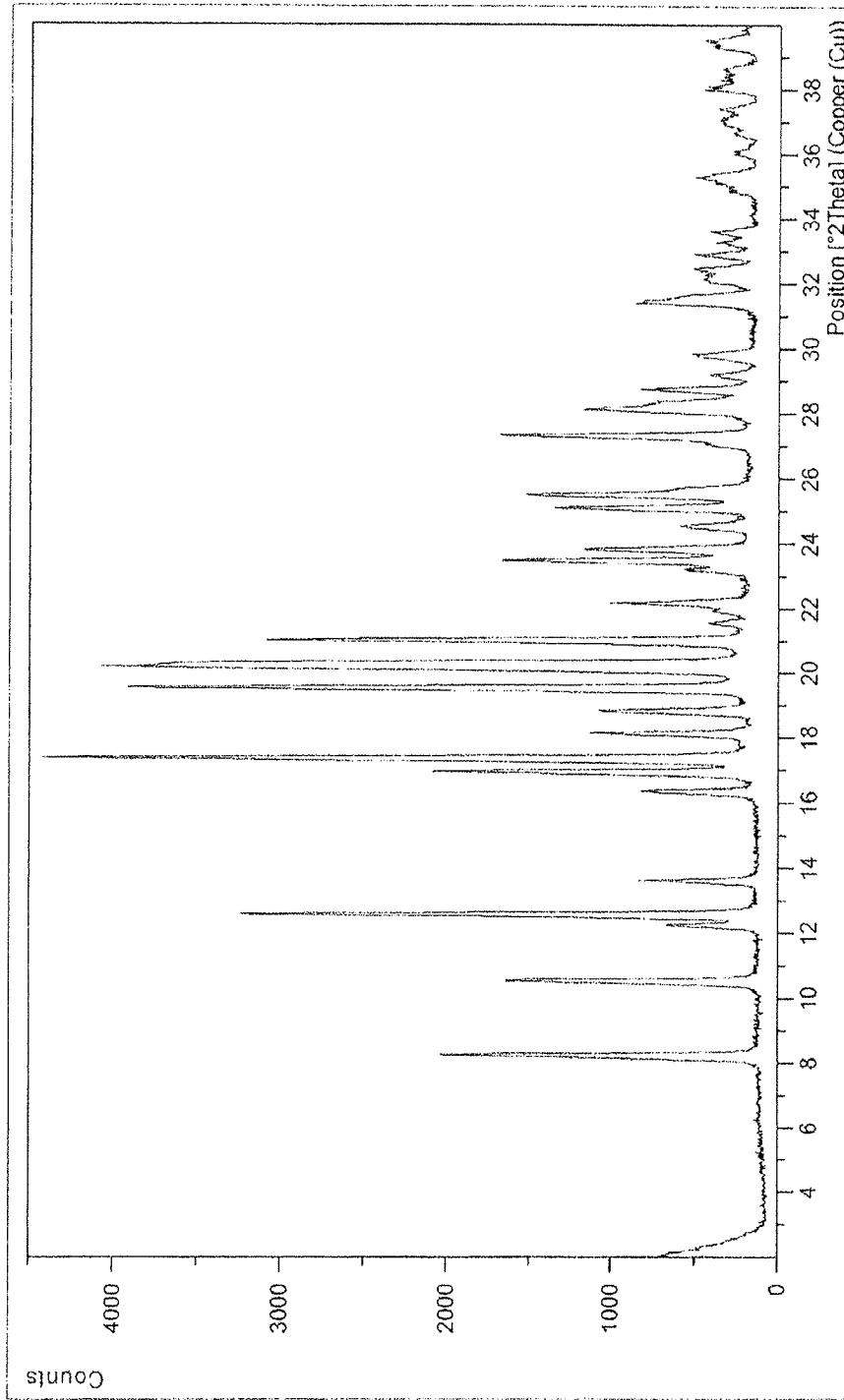


FIG 1

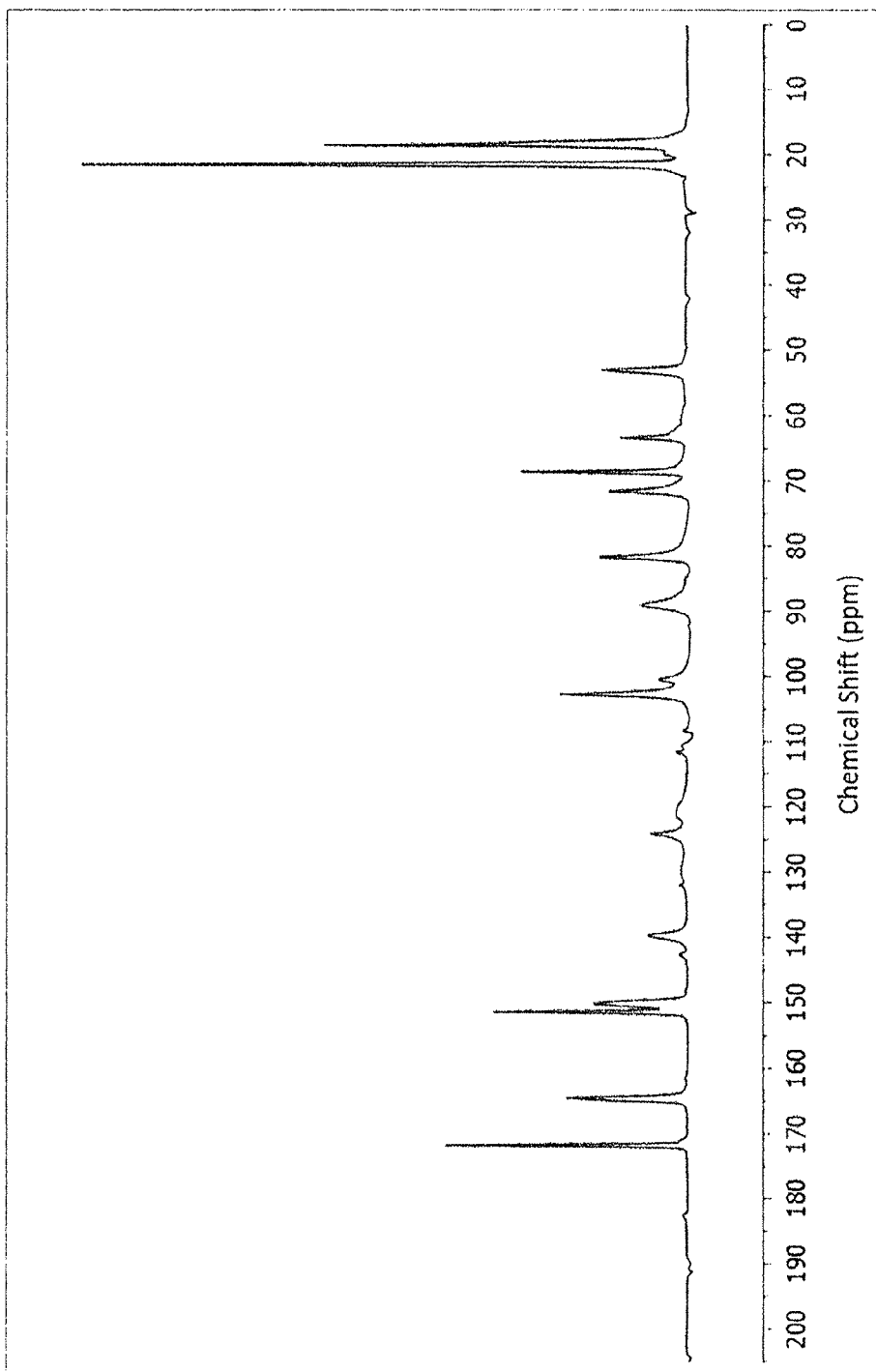


FIG 2

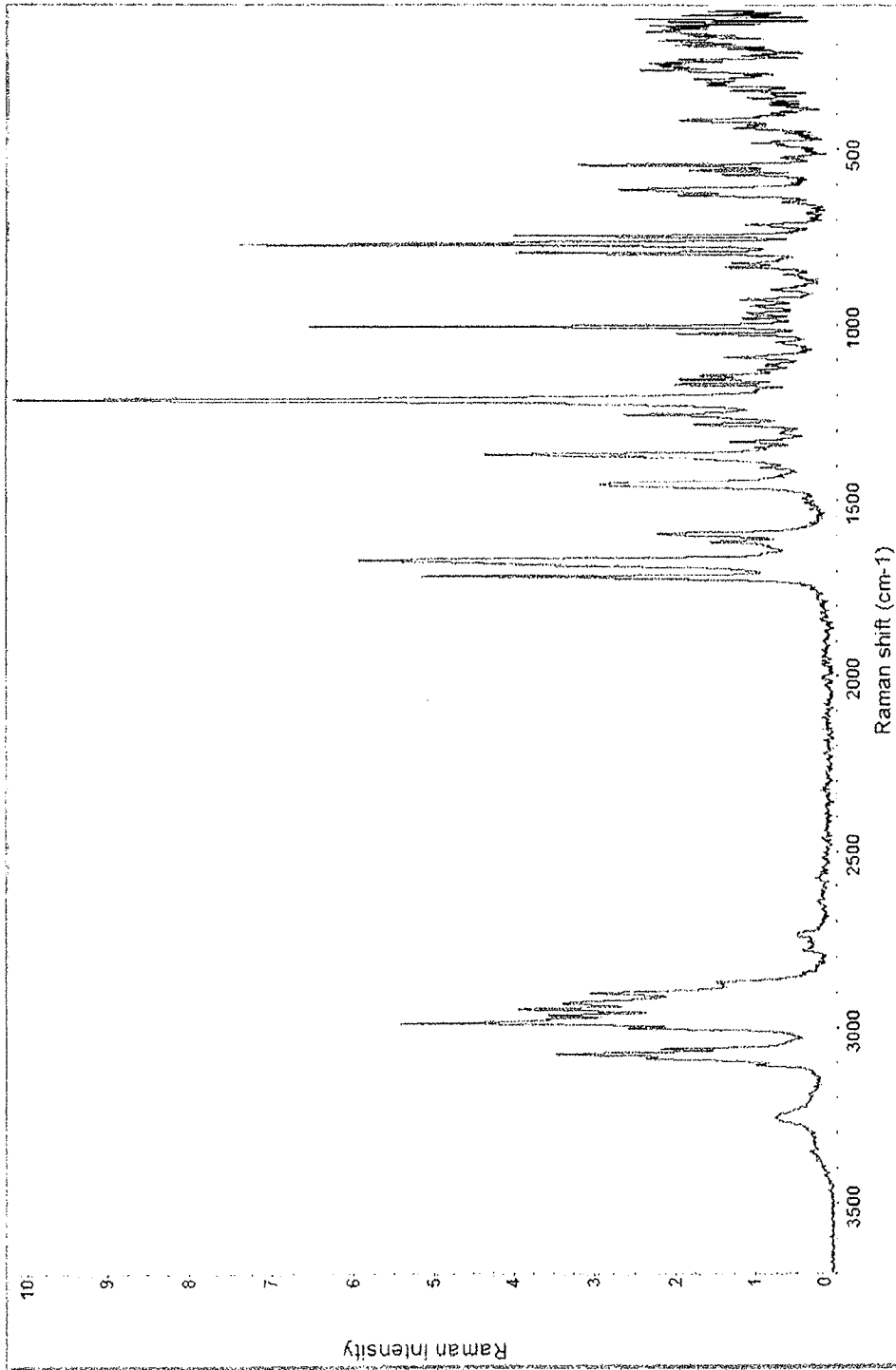


FIG 3

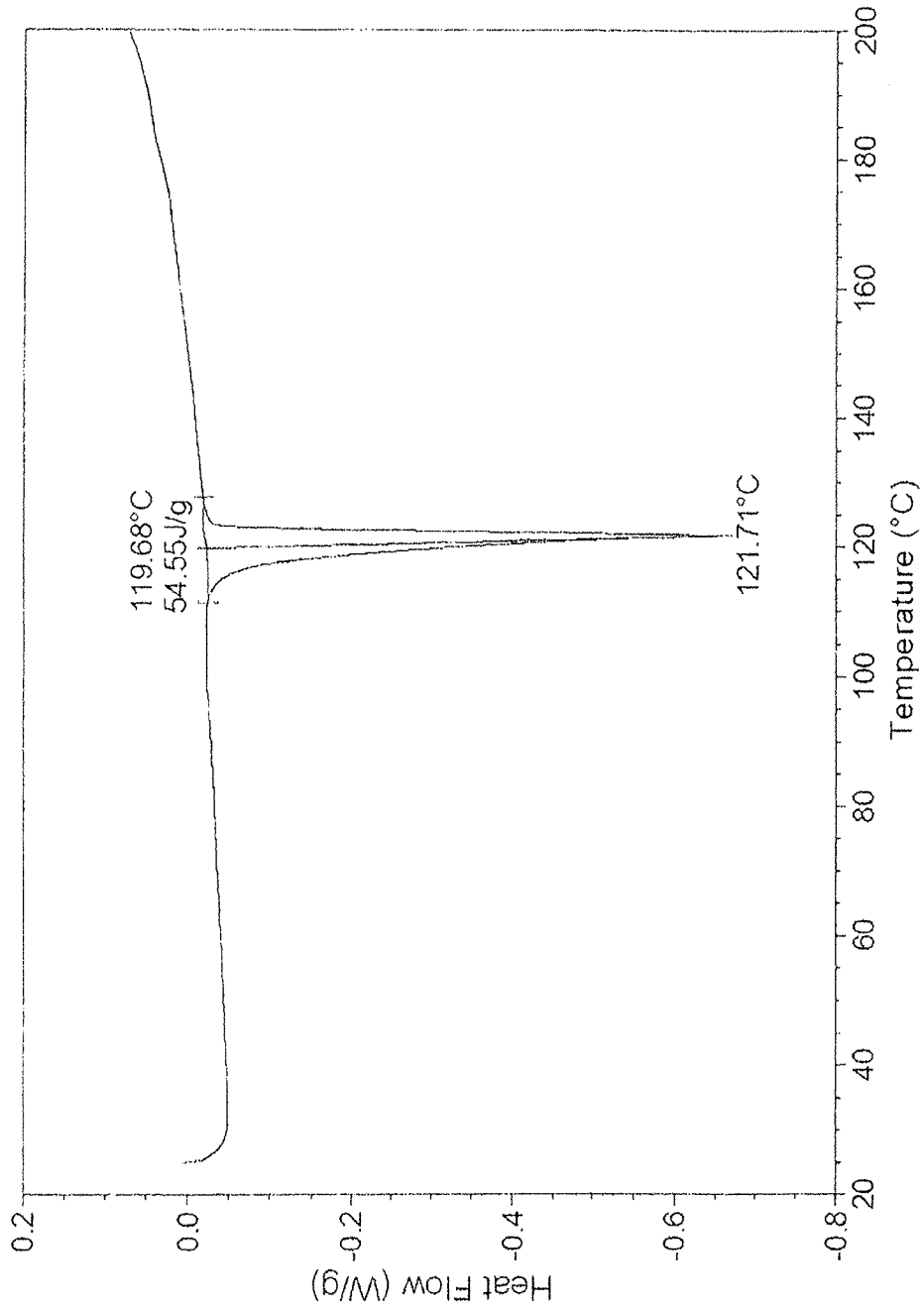


FIG 4

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