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(12) **EX PARTE REEXAMINATION CERTIFICATE** (7412th)
United States Patent
Barry et al. (10) **Number: US 6,188,988 C1**
(45) **Certificate Issued: *Mar. 23, 2010**

- (54) **SYSTEMS, METHODS AND COMPUTER AND COMPUTER PROGRAM PRODUCTS FOR GUIDING THE SELECTION OF THERAPEUTIC TREATMENT REGIMENS**
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- (73) **Assignee:** Advanced Biological Laboratories, SA, Luxembourg (LU)

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No. 90/010,599, Jul. 10, 2009

(Continued)

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(57) **ABSTRACT**

Systems, methods and computer program products for guiding selection of a therapeutic treatment regimen for a known disease such as HIV infection are disclosed. The method comprises (a) providing patient information to a computing device (the computer device comprising: a first knowledge base comprising a plurality of different therapeutic treatment regimens for the disease; a second knowledge base comprising a plurality of expert rules for selecting a therapeutic treatment regimen for the disease; and a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of the different therapeutic treatment regimens; and (b) generating in the computing device a listing (preferably a ranked listing) of therapeutic treatment regimens for the patient; and (c) generating in the computing device advisory information for one or more treatment regimens in the listing based on the patient information and the expert rules.

(*) **Notice:** This patent is subject to a terminal disclaimer.

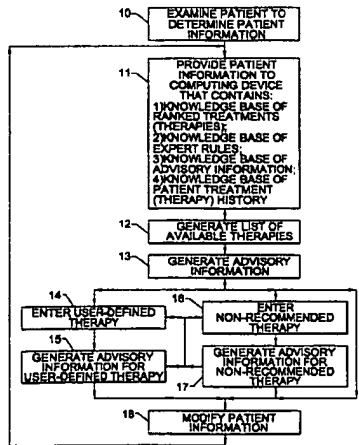
Related U.S. Application Data

- (63) Continuation of application No. 09/283,702, filed on Apr. 1, 1999, now Pat. No. 6,081,786.
- (60) Provisional application No. 60/080,629, filed on Apr. 3, 1998.
- (51) **Int. Cl.**
G06F 19/00 (2006.01)
- (52) **U.S. Cl.** **705/3; 705/2; 706/45; 706/46; 706/47; 706/924**
- (58) **Field of Classification Search** None
See application file for complete search history.

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At the time of issuance and publication of this certificate, the patent remains subject to pending reexamination control numbers 95/001,088 and 90/009,213 filed Oct. 10, 2008 and Oct. 14, 2008 respectively. The claim content of the patent may be subsequently revised. Patent is issued from the reissue application.



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EX PARTE
REEXAMINATION CERTIFICATE
ISSUED UNDER 35 U.S.C. 307

NO AMENDMENTS HAVE BEEN MADE TO
THE PATENT

2
AS A RESULT OF REEXAMINATION, IT HAS BEEN
DETERMINED THAT:

5 The patentability of claims 1-66 is confirmed.

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