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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

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(57) Abstract :

ABSTRACT A device for developing a therapeutic biomarker comprising a first module to fetch multiple nucleotide sequences and to perform comparisons with respect to a reference query nucleotide sequence, a second module to align the multiple nucleotide sequences, a third module to identify a variable regions in the aligned sequences, a fourth module to amplify the variable regions for constructing a primer and a fifth module to determine a bonding affinity of the constructed primer with a viral genome and a graphical user interface to operate and display outputs of the each module, wherein all the modules are interconnected to each other to form a novel biomarker development tool with respect to a disease associated with the query nucleotide sequence. The viral genome comprises substantially five variants of Ebola viral species and the constructed primer acts as the therapeutic biomarker for quick diagnosis of Ebola viral disease for the current outbreak.

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