

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411013378 A

(19) INDIA

(22) Date of filing of Application :24/02/2024

(43) Publication Date : 01/03/2024

(54) Title of the invention : RAPID AND SENSITIVE DETECTION OF TRICHODERMA LONGIBRACHIATUM AND METHOD THEREOF

		(71)Name of Applicant : 1)DR. YASHWANT SINGH PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY Address of Applicant :Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan 173 230, Himachal Pradesh, India. ----- 2)DR. BHUPESH KUMAR GUPTA Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)PAVAN KALYAN P Address of Applicant :JRF, Department of Plant Pathology, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan- 173230, Himachal Pradesh, India. Solan ----- 2)DR. BHUPESH KUMAR GUPTA Address of Applicant :Sr. Scientist, Department of Plant Pathology, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan- 173230, Himachal Pradesh, India. Solan ----- 3)DR. PANKAJ KUMAR Address of Applicant :Assistant Professor, Department of Biotechnology, College of Horticulture, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan- 173230, Himachal Pradesh, India. Solan ----- 4)DR. ANIL HANDA Address of Applicant :Professor, Department of Plant Pathology, College of Horticulture, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan- 173230, Himachal Pradesh, India. Solan ----- 5)DR. SALEJ SOOD Address of Applicant :Sr. Scientist, Crop improvement Division ICAR-CPRI, Bemloi, Shimla- 171001, Himachal Pradesh, India. Shimla ----- 6)DR. KAILASH CHANDRA NAGA Address of Applicant :Scientist, Plant protection division ICAR-CPRI, Bemloi, Shimla- 171001, Himachal Pradesh, India. Shimla ----- 7)DR. AJAY BRAKTA Address of Applicant :Assistant Professor, Department of Plant Pathology KVK, Shimla- 171207, Himachal Pradesh, India. Shimla ----- 8)DR. AARTI BAIRWA Address of Applicant :Sr. Scientist, Crop improvement Division ICAR-CPRI, Bemloi, Shimla- 171001, Himachal Pradesh, India Shimla ----- 9)DR. BHAWNA DIPTA Address of Applicant :JRF, ICAR-CPRI, Bemloi, Shimla- 171001, Himachal Pradesh, India. Shimla -----
(51) International classification	:C12N0001140000, G01N0033680000, C12N0015100000, C12Q0001684400, C12Q0001700000	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to related a rapid and reliable method for detection of Trichoderma longibrachiatum. Present invention not only provides a method for detection but also a kit comprising all the requisite components and reagents required to detect the T. longibrachiatum as per the method of the instant invention. Further, the method of present invention and kit thereof not only provide the quantitative detection of the T. longibrachiatum but also facilitates the qualitative analysis of the T. longibrachiatum in the given sample.

No. of Pages : 38 No. of Claims : 4