



(11) **EP 1 578 790 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

- (15) Correction information:
Corrected version no 1 (W1 B1)
Bibliography INID code(s) 72
- (48) Corrigendum issued on:
11.03.2009 Bulletin 2009/11
- (45) Date of publication and mention of the grant of the patent:
10.12.2008 Bulletin 2008/50
- (21) Application number: **03780613.0**
- (22) Date of filing: **23.12.2003**
- (51) Int Cl.:
C07K 14/415 (2006.01) C12N 15/82 (2006.01)
- (86) International application number:
PCT/IN2003/000397
- (87) International publication number:
WO 2004/058963 (15.07.2004 Gazette 2004/29)

(54) **A NOVEL GENE OSISAP1 OF RICE CONFERS TOLERANCE TO STRESSES AND A METHOD THEREOF**

EIN NEUES REIS-GEN OSISAP1, DAS STRESS-TOLERANZ VERLEIHT, UND EIN VERFAHREN ZUR STEIGERUNG DER STRESS-TOLERANZ

NOUVEAU GENE OSISAP1 DU RIZ AUGMENTANT LA TOLERANCE AUX STRESS ET METHODE ASSOCIEE

- (84) Designated Contracting States:
FR GB
- (30) Priority: **31.12.2002 IN DE13172002**
- (43) Date of publication of application:
28.09.2005 Bulletin 2005/39
- (73) Proprietors:
• **University of Delhi**
New Delhi 110 021 (IN)
• **Department of Biotechnology**
New Delhi 110 003 (IN)
- (72) Inventors:
• **TYAGI, Kumar Akhilesh,**
Dept Plant Molecular Biology
New Delhi 110 021 (IN)
• **ARNAB, Mukhopadhyay,**
Dept Plant Molecular Biology
New Delhi 110 021 (IN)
• **VIJ, Shubha,**
Dept Plant Molecular Biology
New Delhi 110 021 (IN)
- (74) Representative: **Green, Mark Charles**
Urquhart-Dykes & Lord LLP
30 Welbeck Street
London W1G 8ER (GB)
- (56) References cited:
WO-A-01/45492
- **DATABASE EMBL [Online] 13 June 2000 (2000-06-13) "Oryza sativa (indica cultivar-group) multiple stress-responsive zinc-finger protein mRNA, complete cds." retrieved from EBI Database accession no. AF140722 XP002285210**
 - **DATABASE EMBL [Online] 1 October 2000 (2000-10-01) "Pathogenesis-related protein" retrieved from EBI Database accession no. Q9LLX1 XP002285211**
 - **SAIJO YUSUKE ET AL: "Over-expression of a single Ca²⁺-dependent protein kinase confers both cold and salt/drought tolerance on rice plants" PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 23, no. 3, August 2000 (2000-08), pages 319-327, XP002176206 ISSN: 0960-7412**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 578 790 B8

- COOPER BRET ET AL: "A network of rice genes associated with stress response and seed development." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 100, no. 8, 15 April 2003 (2003-04-15), pages 4945-4950, XP002285208 April 15, 2003 ISSN: 0027-8424 (ISSN print)
- DATABASE MEDLINE [Online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 30 April 1998 (1998-04-30) SONG J. ET AL.: "Isolation and mapping of a family of putative zinc-finger protein cDNAs from rice" Database accession no. NLM9679197 XP002285212
- MUKHOPADHYAY ARNAB ET AL: "Overexpression of a zinc-finger protein gene from rice confers tolerance to cold, dehydration, and salt stress in transgenic tobacco." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. UNITED STATES 20 APR 2004, vol. 101, no. 16, 20 April 2004 (2004-04-20), pages 6309-6314, XP002285209 ISSN: 0027-8424