

(19)



(11)

EP 1 472 281 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:

C07K 14/415 ^(2006.01) **C12N 15/82** ^(2006.01)
C07K 16/16 ^(2006.01) **G01N 33/50** ^(2006.01)
C12N 5/10 ^(2006.01) **A01H 1/04** ^(2006.01)

(48) Corrigendum issued on:

12.11.2014 Bulletin 2014/46

(86) International application number:

PCT/NL2003/000091

(45) Date of publication and mention
of the grant of the patent:

08.10.2014 Bulletin 2014/41

(87) International publication number:

WO 2003/066675 (14.08.2003 Gazette 2003/33)

(21) Application number: **03705496.2**

(22) Date of filing: **07.02.2003**

(54) **GENE CONFERRING RESISTANCE TO PHYTOPHTHERA INFESTANS (LATE-BLIGHT) IN SOLANACEAE**

GEN, DAS PHYTOPHTORA INFESTANS- (BLATTFLECKENKRANKHEIT) RESISTENZ IN SOLANACEEN VERLEIHT

GENE PROTEGEANT LES SOLANACEAE CONTRE LE PHYTOPHTHORA INFESTANS (MILDIU)

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT SE SI SK TR
Designated Extension States:
LT LV RO

(74) Representative: **Maiwald Patentanwalts GmbH et al**

Elisenhof
Elisenstrasse 3
80335 München (DE)

(30) Priority: **08.02.2002 EP 02075565**

(43) Date of publication of application:

03.11.2004 Bulletin 2004/45

(60) Divisional application:

10012936.0 / 2 330 118

(73) Proprietor: **J.R. Simplot Company**

Boise, ID 83702 (US)

(72) Inventors:

- **ALLEFS, Josephus, Jacobus, Hendricus, Maria**
8304 EJ Emmeloord (NL)
- **VAN DER VOSSSEN, Edwin, Andries, Gerard**
3572 ZM Utrecht (NL)

(56) References cited:

- **DATABASE EMBL [Online] EMBL; 5 September 2001 (2001-09-05) PAN Q. ET AL.: "Lycopersicon esculentum isolate Q194 nucleotide binding region of resistance-like gene, partial sequence" Database accession no. AF404480 XP002206417 -& PAN Q. ET AL.: "Comparative genetics of nucleotide binding site-leucin rich repeat resistance gene homologs in the genomes of two dicotyledons: tomato and arabidopsis" GENETICS, vol. 155, no. 1, 2000, pages 309-322, XP002207023**
- **DATABASE SWISSPROT [Online] EBI; 1 December 2001 (2001-12-01) SASAKI T. ET AL.: "Putative NBS-LRR type resistance protein" Database accession no. Q94J89 XP002206418**

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 1 472 281 B8

- DATABASE EMBL [Online] EMBL; 8 June 2001 (2001-06-08) BOUGRI O. ET AL.: "Generations of ESTs from dormant potato tubers" Database accession no. BG890602 XP002206419
- VAN DER BIEZEN E A ET AL: "THE NB-ARC DOMAIN: A NOVEL SIGNALLING MOTIF SHARED BY PLANT RESISTANCE GENE PRODUCTS AND REGULATORS OF CELL DEATH IN ANIMALS" CURRENT BIOLOGY, CURRENT SCIENCE,, GB, vol. 8, no. 7, 26 March 1998 (1998-03-26), pages R226-R227, XP000924862 ISSN: 0960-9822 cited in the application
- LEISTER D ET AL: "A PCR-BASED APPROACH FOR ISOLATING PATHOGEN RESISTANCE GENES FROM POTATO WITH POTENTIAL FOR WIDE APPLICATION IN PLANTS" NATURE GENETICS, NEW YORK, NY, US, vol. 14, December 1996 (1996-12), pages 421-429, XP000964717 ISSN: 1061-4036
- VAN DER BIEZEN ERIC ET AL: "Plant disease-resistance proteins and the gene-for-gene concept" TIBS TRENDS IN BIOCHEMICAL SCIENCES, ELSEVIER PUBLICATION, CAMBRIDGE, EN, vol. 23, no. 12, December 1998 (1998-12), pages 454-456, XP002158209 ISSN: 0968-0004
- DONG F ET AL: "Development and applications of a set of chromosome-specific cytogenetic DNA markers in potato." THEORETICAL AND APPLIED GENETICS, vol. 101, no. 7, November 2000 (2000-11), pages 1001-1007, XP001087853 ISSN: 0040-5752
- ELLIS JEFF ET AL: "Structure, function and evolution of plant disease resistance genes." CURRENT OPINION IN PLANT BIOLOGY, vol. 3, no. 4, August 2000 (2000-08), pages 278-284, XP002206415 ISSN: 1369-5266
- YOUNG NEVIN DALE: "The genetic architecture of resistance." CURRENT OPINION IN PLANT BIOLOGY, vol. 3, no. 4, August 2000 (2000-08), pages 285-290, XP002206416 ISSN: 1369-5266
- OBERHAGEMANN P ET AL: "A GENETIC ANALYSIS OF QUANTITATIVE RESISTANCE TO LATE BLIGHT IN PATATO: TOWARDS MARKER-ASSISTED SELECTION" MOLECULAR BREEDING: NEW STRATEGIES IN PLANT IMPROVEMENT, KLUWER ACADEMIC PUBLISHERS, NL, vol. 5, no. 5, 1999, pages 399-415, XP001079515 ISSN: 1380-3743
- THIEME R ET AL: "PRODUCTION OF SOMATIC HYBRIDS BETWEEN S.TUBEROSUM L. AND LATE BLIGHT RESISTANT MEXICAN WILD POTATO SPECIES" EUPHYTICA, KLUWER ACADEMIC PRESS, AMSTERDAM, NL, vol. 97, no. 2, 1997, pages 189-200, XP002912898 ISSN: 0014-2336

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification