



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/13, 15/12, C07K 16/18, 14/435, C12N 15/82, A01N 63/02, A01H 5/00	A3	(11) International Publication Number: WO 96/22372 (43) International Publication Date: 25 July 1996 (25.07.96)
(21) International Application Number: PCT/NL96/00033 (22) International Filing Date: 17 January 1996 (17.01.96) (30) Priority Data: 95200110.5 17 January 1995 (17.01.95) EP (34) Countries for which the regional or international application was filed: AT et al. (71) Applicant (for all designated States except US): RIJSLAND-BOUWUNIVERSITEIT WAGENINGEN [NL/NL]; P.O. Box 9101, NL-6700 HB Wageningen (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): BAKKER, Jacob [NL/NL]; Geeretjesweg 11, NL-6704 PD Wageningen (NL). SCHOTS, Arjen [NL/NL]; Leeuweriksweide 208, NL-6708 LP Wageningen (NL). STIEKEMA, Wilhelmus, Johannes [NL/NL]; Gruttoweide 197, NL-6708 BG Wageningen (NL). (74) Agent: DE BRUIJN, Leendert, C.; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).	(81) Designated States: CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 19 September 1996 (19.09.96)	
(54) Title: ANTIBODIES FOR THE CONTROL OF CYST NEMATODES AND TRANSGENIC PLANTS EXPRESSING THEM (57) Abstract The invention concerns antibodies directed against an antigenic subventral salivary protein of a cyst nematode, e.g. of the genera <i>Heterodera</i>, <i>Globodera</i> and <i>Punctodera</i>, or at an immunogenic part or equivalent thereof, said antigenic protein having an amino acid of 30-50 kDa and having an isoelectric point (pI) of about 6.8 to 8.7. Furthermore provided are expression systems comprising at least a nucleotide sequence encoding an antibody or antibody fragment against a cyst nematode salivary protein, and a sequence regulating expression of said nucleotide sequence, for transforming plants so as to protect them against cyst nematodes.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 96/00033

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/13 C12N15/12 C07K16/18 C07K14/435 C12N15/82
 A01N63/02 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N C07K A01N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

14 June 1996

Date of mailing of the international search report

0 8. 07. 96

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International Application No

PCT/NL 96/00033

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PC 1, NL 96/00033

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