



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**21.09.2005 Bulletin 2005/38**

(51) Int Cl.7: **G06F 17/27**

(43) Date of publication A2:  
**26.06.2002 Bulletin 2002/26**

(21) Application number: **01129760.3**

(22) Date of filing: **13.12.2001**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

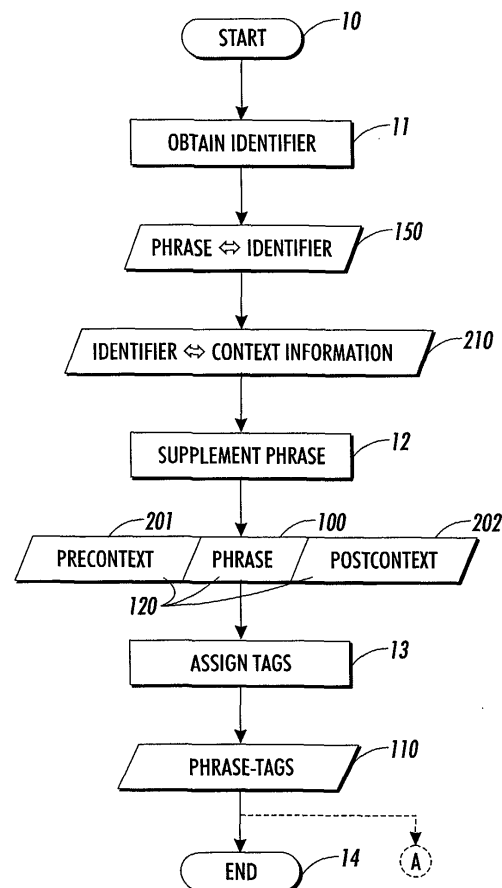
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(30) Priority: **19.12.2000 US 738987**

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(54) **Method and computer system for part-of-speech tagging of incomplete sentences**

(57) The invention relates to a method and a computer system for enhanced part-of-speech (POS-) tagging as well as grammatically disambiguating a phrase. A phrase is usually a short multiword expression that may be ambiguous. By introducing grammatical constraints the invention supports POS-tagging as well as grammatically disambiguating the phrase. According to an identifier for the phrase, the phrase is supplemented with artificial context information. The supplemented phrase is then POS-tagged or grammatically disambiguated. Important applications are POS-tagging, Automatic Term Encoding, Headword Detection and Information Retrieval.



**FIG. 1**



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	KENNETH LITKOWSKI: "Dictionary Parsing Project" [Online] December 1998 (1998-12), CL RESEARCH , XP002327389 Retrieved from the Internet: URL:http://www.clres.com/dpp.html> * sentence 1, paragraph 1 * * sentence 2, paragraph 3 * * sentences 1-7, paragraph 4 *	9	G06F17/27
A	TETSUYA NASUKAWA: "Robust parsing based on discourse information: completing partial parses of ill-formed sentences on the basis of discourse information" June 1995 (1995-06), PROCEEDINGS OF THE 33RD CONFERENCE ON ASSOCIATION FOR COMPUTATIONAL LINGUISTICS PAGES (39-46), ASSOCIATION FOR COMPUTATIONAL LINGUISTICS , CAMBRIDGE, MASSACHUSETTS , XP002327316 * page 42, left-hand column, lines 12-16 * * page 42, right-hand column, lines 15-20 *	1-3,5, 7-10	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	EP 0 327 266 B (AMERICAN TELEPHONE AND TELEGRAPH COMPANY; AT&T CORP) 30 August 1995 (1995-08-30) * page 3, lines 7-9 * * page 2, lines 55-57 *	1-10	G06F
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 29 June 2005	Examiner Lopez, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 9760

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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29-06-2005

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