

Title (en)
CUT AND PASTE DOCUMENT SUMMARIZATION SYSTEM AND METHOD

Title (de)
SYSTEM UND VERFAHREN ZUM ZUSAMMENFASSEN VON DOKUMENTEN DURCH SCHNEIDEN UND KLEBEN

Title (fr)
CREATION DE RESUMES DE DOCUMENTS PAR COUPER-COLLER ET PROCEDE CORRESPONDANT

Publication
EP 1208455 A4 20060809 (EN)

Application
EP 00915831 A 20000222

Priority
• US 0004505 W 20000222
• US 12065799 P 19990219

Abstract (en)
[origin: WO0106408A1] A summary of an input document is generated by extracting at least one sentence from the document and parsing the extracted sentences into components, such as in a parse tree (110). Sentence reduction processing is performed to mark components which can be removed from the parse trees (135). Sentence reduction can include context importance processing, probabilistic processing, and linguistic knowledge based processing, probabilistic processing includes identifying sentence combination operations and establishing rules for applying the sentence combination operations to mark the parse trees to merge at least two sentences (140). Sentence combination processing also provides a paste operation to operate on the marked components to effect the indicated removal and combination of sentence components, thereby generating summary sentences for the input document.

IPC 1-7
G06F 17/27

IPC 8 full level
G06F 17/27 (2006.01)

CPC (source: EP)
G06F 40/216 (2020.01); **G06F 40/253** (2020.01); **G06F 40/268** (2020.01); **G06F 40/289** (2020.01); **G06F 40/35** (2020.01)

Citation (search report)
• [A] US 5077668 A 19911231 - DOI MIWAKO [JP]
• [A] US 5778397 A 19980707 - KUPIEC JULIAN M [US], et al
• [A] JUDITH L. KLAVANS, KATHLEEN R. MCKEOWN, MIN-YEN KAN, SUSAN LEE: "Resources for Evaluation of Summarization Techniques", PROCEEDINGS OF THE 1ST INT'L CONFERENCE ON LANGUAGE RESOURCES AND EVALUATION, 1998, Grenadat, Spain, XP002382940, Retrieved from the Internet <URL:http://citeseer.ist.psu.edu/cache/papers/cs/303/http:zSzzSzwww.cs.columbia.edu:zSz~minzSzpaperszSzresources.pdf/resources-for-evaluation-of.pdf> [retrieved on 20060526]
• [A] GREGORY GREFFENSTETTE: "Producing Intelligent Telegraphic Text Reduction to provide an Audio Scanning Service for the Blind", March 1998 (1998-03-01), XP002382941, Retrieved from the Internet <URL:http://scholar.google.nl/scholar?hl=en&lr=&q=cache:OMgpu0QubFQJ:ayre.ca/library/cl/files/telegraph.ps+%22producing+intelligent+telegraphic+text+reduction+to+provide+an+audio%22> [retrieved on 20060526]
• See references of WO 0106408A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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WO 0106408 A1 20010125; AU 3703800 A 20010205; AU 778394 B2 20041202; CA 2363834 A1 20010125; EP 1208455 A1 20020529; EP 1208455 A4 20060809; HK 1046570 A1 20030117; IL 144950 A0 20020630

DOCDB simple family (application)
US 0004505 W 20000222; AU 3703800 A 20000222; CA 2363834 A 20000222; EP 00915831 A 20000222; HK 02108117 A 20021108; IL 14495000 A 20000222