

Title (en)
MULTI-DOCUMENT SUMMARIZATION SYSTEM AND METHOD

Title (de)
MULTI-DOKUMENT ZUSAMMENFASSUNGS-SYSTEM UND -VERFAHREN

Title (fr)
SYSTEME ET PROCEDE DE RESUME POUR PLUSIEURS DOCUMENTS

Publication
EP 1190343 A4 20060809 (EN)

Application
EP 00919318 A 20000218

Priority

- US 0004118 W 20000218
- US 12065999 P 19990219

Abstract (en)

[origin: WO0049517A2] A summary for a collection of related documents can be generated by extracting phrases from the documents which include common focus elements. Phrase intersection analysis is then performed on the extracted phrases to generate a phrase intersection table, where identical or equivalent phrases are identified. Temporal processing on the phrases in the phrase intersection table is performed to remove ambiguous time references and to sort the phrases in a temporal sequence. Sentence generation is then used to combine the phrases in the phrase intersection table into a coherent summary.

[origin: WO0049517A2] A summary for a collection of related documents can be generated by extracting phrases (100) from the documents which include common focus elements. Phrase intersection analysis (120) is then performed on the extracted phrases (100) to generate a phrase intersection table, where identical or equivalent phrases are identified. Temporal processing (140) on the phrases in the phrase intersection table is performed to remove ambiguous time references and to sort the phrases in a temporal sequence. Sentence generation is then used to combine the phrases in the phrase intersection table into a coherent summary.

IPC 1-7
G06F 17/10; **G06F 17/27**; **G06F 15/00**

IPC 8 full level
G06F 17/22 (2006.01); **G06F 17/27** (2006.01); **G06F 17/30** (2006.01); **G06F 40/00** (2020.01)

CPC (source: EP)
G06F 16/345 (2018.12); **G06F 40/194** (2020.01); **G06F 40/35** (2020.01)

Citation (search report)

- [X] MCKEOWN K ET AL ASSOCIATION FOR COMPUTING MACHINERY: "GENERATING SUMMARIES OF MULTIPLE NEWS ARTICLES", SIGIR '95. PROCEEDINGS OF THE 18TH. ANNUAL INTERNATIONAL ACM SIGIR CONFERENCE ON RESEARCH AND DEVELOPMENT IN INFORMATION RETRIEVAL. SEATTLE, JUL. 9 - 13, 1995, SIGIR. PROCEEDINGS OF THE ANNUAL INTERNATIONAL ACM SIGIR CONFERENCE ON RESEARCH AND DEVELO, 9 July 1995 (1995-07-09), pages 74 - 82, XP000520957, ISBN: 0-89791-714-6
- [A] DATABASE COMPENDEX [online] ENGINEERING INFORMATION, INC., NEW YORK, NY, US; MANI INDERJEET ET AL: "Multi-document summarization by graph search and matching", XP002384478, Database accession no. EIX98354279423 & PROC NATL CONF ARTIF INTELL; PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE 1997 AAAI, MENLO PARK, CA, USA, 1997, pages 622 - 628
- See references of WO 0049517A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0049517 A2 20000824; **WO 0049517 A3 20001130**; AU 4002600 A 20000904; AU 775978 B2 20040819; CA 2363017 A1 20000824; CA 2363017 C 20110419; EP 1190343 A2 20020327; EP 1190343 A4 20060809; HK 1045391 A1 20021122; IL 144951 A0 20020630; IL 144951 A 20060801

DOCDB simple family (application)
US 0004118 W 20000218; AU 4002600 A 20000218; CA 2363017 A 20000218; EP 00919318 A 20000218; HK 02106992 A 20020925; IL 14495100 A 20000218; IL 14495101 A 20010816