

Title (en)
COREFERENCE RESOLUTION IN AN AMBIGUITY-SENSITIVE NATURAL LANGUAGE PROCESSING SYSTEM

Title (de)
KOREFERENZAUFÖSUNG IN EINEM DOPPELDEUTIGKEITSBEWUSSTEN SYSTEM ZUR VERARBEITUNG NATÜRLICHER SPRACHE

Title (fr)
RÉSOLUTION DE CORÉFÉRENCE DANS UN SYSTÈME DE TRAITEMENT DE LANGAGE NATUREL SENSIBLE À L'AMBIGUÏTÉ

Publication
EP 2183684 A4 20171018 (EN)

Application
EP 08828084 A 20080829

Priority

- US 2008074935 W 20080829
- US 96948307 P 20070831
- US 96942607 P 20070831
- US 20096208 A 20080829

Abstract (en)
[origin: WO2009029903A2] Technologies are described herein for coreference resolution in an ambiguity-sensitive natural language processing system. Techniques for integrating reference resolution functionality into a natural language processing system can processes documents to be indexed within an information search and retrieval system. Ambiguity awareness features, as well as ambiguity resolution functionality, can operate in coordination with coreference resolution. Annotation of coreference entities, as well as ambiguous interpretations, can be supported by in-line markup within text content or by external entity maps. Information expressed within documents can be formally organized in terms of facts, or relationships between entities in the text. Expansion can support applying multiple aliases, or ambiguities, to an entity being indexed so that all of the possibly references or interpretations for that entity are captured into the index. Alternative stored descriptions can support retrieval of a fact by either the original description or a coreferential description.

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

CPC (source: EP KR)
G06F 16/3344 (2018.12 - EP); **G06F 40/205** (2020.01 - KR); **G06F 40/30** (2020.01 - EP KR)

Citation (search report)

- [A] US 6185592 B1 20010206 - BOGURAEV BRANIMIR [US], et al
- [XII] R. GAIZAUSKAS ET AL: "Description of the LaSIE system as used for MUC-6", MESSAGE UNDERSTANDING, 1995, N. Eight Street, Stroudsburg, PA, 18360 07960-1961 USA, pages 207 - 220, XP055403480, ISBN: 978-1-55860-402-5, DOI: 10.3115/1072399.1072418
- [XII] BRECK BALDWIN ET AL: "Dynamic Coreference-Based Summarization", PROCEEDINGS OF THE THIRD CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING, 1998, pages 10 - 15, XP055403487
- [A] BRECK BALDWIN ET AL: "EAGLE : An extensible architecture for general linguistic engineering", PROCEEDINGS OF THE FIFTH CONFERENCE ON APPLIED NATURAL LANGUAGE PROCESSING DESCRIPTIONS OF SYSTEM DEMONSTRATIONS AND VIDEOS -, 1997, Morristown, NJ, USA, pages 23, XP055403588, DOI: 10.3115/974281.974295
- See references of WO 2009029903A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009029903 A2 20090305; WO 2009029903 A3 20090507; AU 2008292779 A1 20090305; AU 2008292779 B2 20120906; BR PI0815826 A2 20150218; CA 2698054 A1 20090305; CA 2698054 C 20151222; CN 101796508 A 20100804; CN 101796508 B 20130306; EP 2183684 A2 20100512; EP 2183684 A4 20171018; JP 2010538374 A 20101209; JP 2014238865 A 20141218; KR 101522049 B1 20150520; KR 20100075451 A 20100702; MX 2010002349 A 20100730; RU 2010107148 A 20110910; RU 2480822 C2 20130427; ZA 201001259 B 20120530

DOCDB simple family (application)
US 2008074935 W 20080829; AU 2008292779 A 20080829; BR PI0815826 A 20080829; CA 2698054 A 20080829; CN 200880105563 A 20080829; EP 08828084 A 20080829; JP 2010523185 A 20080829; JP 2014156393 A 20140731; KR 20107006475 A 20080829; MX 2010002349 A 20080829; RU 2010107148 A 20080829; ZA 201001259 A 20100222