

Title (en)

NATURAL LANGUAGE PROCESSING BASED SEARCH

Title (de)

AUF NATÜRLICHER SPRACHVERARBEITUNG BASIERTE SUCHE

Title (fr)

RECHERCHE BASÉE SUR UN TRAITEMENT DU LANGAGE NATUREL

Publication

**EP 2959405 A4 20161012 (EN)**

Application

**EP 13875916 A 20130219**

Priority

CN 2013071652 W 20130219

Abstract (en)

[origin: WO2014127500A1] Methods, systems, and computer-readable media are provided for natural language processing based search. In some embodiments, a search system may parse a received search query and build a structured search. In some embodiments, building a structure search includes building a phrase tree based on the received search query, and building a query tree based on the phrase tree and data stored in a data structure such as a knowledge graph. In some embodiments, search results are retrieved from the data structure using the query tree. In some embodiments, the search system identifies filter facets and filters search results using query trees and relationships in the data structure.

IPC 8 full level

**G06F 17/30** (2006.01); **G06N 5/02** (2006.01)

CPC (source: EP)

**G06F 16/3344** (2018.12); **G06F 16/90332** (2018.12)

Citation (search report)

- [X] US 2007288436 A1 20071213 - CAO YU [US]
- [XA] US 2009164441 A1 20090625 - CHEYER ADAM [US]
- [A] US 2011196852 A1 20110811 - SRIKANTH MUNIRATHNAM [US], et al
- [A] US 2008091408 A1 20080417 - ROULLAND FREDERIC [FR], et al
- [A] AMIT SHETH ET AL: "Enhancing the Power of the Internet: Studies in Fuzziness and Soft Computing Relationships at the Heart of Semantic Web: Modeling, Discovering, and Exploiting Complex Semantic Relationships", ENHANCING THE POWER OF THE INTERNET: STUDIES IN FUZZINESS AND SOFT COMPUTING, 13 October 2002 (2002-10-13), XP055295178, Retrieved from the Internet <URL:http://knoesis.wright.edu/sites/default/files/SAK02-TM.pdf> [retrieved on 20160812]
- [A] "Correct System Design", vol. 2903, 1 January 2003, SPRINGER INTERNATIONAL PUBLISHING, Cham, ISBN: 978-3-642-36616-1, ISSN: 0302-9743, article SEUNG YEOL YOO ET AL: "A New Approach for Concept-Based Web Search", pages: 65 - 76, XP055295180, 032548, DOI: 10.1007/978-3-540-24581-0\_6
- [A] "Proceedings of the Thirtieth international conference on Very large data bases", 1 January 2004, ISBN: 978-0-12-088469-8, article JENS GRAUPMANN ET AL: "COMPASS", pages: 1313 - 1316, XP055295181, DOI: 10.1016/B978-012088469-8.50135-2
- See references of WO 2014127500A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2014127500 A1 20140828**; CN 105900081 A 20160824; CN 105900081 B 20200908; EP 2959405 A1 20151230; EP 2959405 A4 20161012

DOCDB simple family (application)

**CN 2013071652 W 20130219**; CN 201380073339 A 20130219; EP 13875916 A 20130219