

Title (en)
DATA COLLECTION FOR A NEW CONVERSATIONAL DIALOGUE SYSTEM

Title (de)
DATENERFASSUNG FÜR EIN NEUES GESPRÄCHSDIALOGSYSTEM

Title (fr)
COLLECTE DE DONNÉES DESTINÉE À UN NOUVEAU SYSTÈME DE DIALOGUE CONVERSATIONNEL

Publication
EP 3535664 A4 20200617 (EN)

Application
EP 17867628 A 20171106

Priority
• US 201662418035 P 20161104
• US 2017060134 W 20171106

Abstract (en)
[origin: CN109891410A] A data collection system is based on a general set of dialogue acts which are derived from a database schema. Crowd workers perform two types of tasks: (i) identification of sensical dialogue paths and (ii) performing context-dependent paraphrasing of these dialogue paths into real dialogues. The end output of the system is a set of training examples of real dialogues which have been annotated with their logical forms. The data can be used to train all three components of the dialogue system: (i) the semantic parser for understanding context-dependent utterances, (ii) the dialogue policy for generating new dialogue acts given the current state, and (iii) the generation system for both deciding what to say and how to render it in natural language.

IPC 8 full level
G06F 40/20 (2020.01); **G06F 40/35** (2020.01); **G10L 15/06** (2013.01); **G10L 15/22** (2006.01)

CPC (source: EP US)
G06F 3/0482 (2013.01 - US); **G06F 7/08** (2013.01 - US); **G06F 40/169** (2020.01 - US); **G06F 40/20** (2020.01 - EP US);
G06F 40/205 (2020.01 - US); **G06F 40/30** (2020.01 - US); **G06N 20/00** (2018.12 - US); **G10L 15/063** (2013.01 - EP); **G10L 15/22** (2013.01 - EP);
G10L 2015/0638 (2013.01 - EP)

Citation (search report)
• [I] WO 2016114922 A1 20160721 - MICROSOFT TECHNOLOGY LICENSING LLC [US]
• [I] US 2016078866 A1 20160317 - GELFENBEYN ILYA GENADEVICH [US], et al
• [A] EP 1352317 A2 20031015 - UNISYS CORP [US]
• [ID] YUSHI WANG ET AL: "Building a Semantic Parser Overnight", PROCEEDINGS OF THE 53RD ANNUAL MEETING OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS AND THE 7TH INTERNATIONAL JOINT CONFERENCE ON NATURAL LANGUAGE PROCESSING (VOLUME 1: LONG PAPERS), 1 January 2015 (2015-01-01), Stroudsburg, PA, USA, pages 1332 - 1342, XP055672713, DOI: 10.3115/v1/P15-1129
• See references of WO 2018085760A1

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)
CN 109891410 A 20190614; CN 109891410 B 20230623; EP 3535664 A1 20190911; EP 3535664 A4 20200617

DOCDB simple family (application)
CN 201780067955 A 20171106; EP 17867628 A 20171106