

Title (en)

DEVELOPER PLATFORM FOR PROVIDING AUTOMATED ASSISTANT IN NEW DOMAINS

Title (de)

ENTWICKLERPLATTFORM ZUR BEREITSTELLUNG EINES AUTOMATISIERTEN ASSISTENTEN IN NEUEN DOMÄNEN

Title (fr)

PLATE-FORME DE DÉVELOPPEUR POUR FOURNIR UN ASSISTANT AUTOMATISÉ DANS DE NOUVEAUX DOMAINES

Publication

**EP 3590050 A4 20210120 (EN)**

Application

**EP 18761097 A 20180302**

Priority

- US 201762465979 P 20170302
- US 2018020784 W 20180302

Abstract (en)

[origin: CN110447026A] A system that provides a sharable language interface for implementing automated assistants in new domains and applications. A dialogue assistant that is trained in a first domain can receive a specification in a second domain. The specification can include language structure data such as schemas, recognizers, resolvers, constraints and invariants, actions, language hints, generation template, and other data. The specification data is applied to the automated assistant to enable the automated assistant to provide interactive dialogue with a user in a second domain associated with the received specification. In some instances, portions of the specification may be automatically mapped to portions of the first domain. By having the ability to learn new domains and applications through receipt of objects and properties rather than retooling the interface entirely, the present system is much more efficient at learning how to provide interactive dialogue in new domains than previous systems.

IPC 8 full level

**G06F 40/295** (2020.01); **G06F 40/35** (2020.01); **G06F 40/56** (2020.01)

CPC (source: EP)

**G06F 40/295** (2020.01); **G06F 40/35** (2020.01); **G06F 40/56** (2020.01)

Citation (search report)

- [I] WO 2017007742 A1 20170112 - MICROSOFT TECHNOLOGY LICENSING LLC [US]
- [I] US 2012077178 A1 20120329 - BAGCHI SUGATO [US], et al
- [I] YOUNG-BUM KIM ET AL: "Natural Language Model Re-usability for Scaling to Different Domains", PROCEEDINGS OF THE 2016 CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING, 1 January 2016 (2016-01-01), Stroudsburg, PA, USA, pages 2071 - 2076, XP055363540, DOI: 10.18653/v1/D16-1222
- [A] DAN MELAMED I ET AL: "Towards A Virtual Assistant That Can Be Taught New Tasks In Any Domain By Its End-Users", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 1 July 2016 (2016-07-01), XP080711321
- See references of WO 2018161048A1

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 110447026 A 20191112; CN 110447026 B 20230711; EP 3590050 A1 20200108; EP 3590050 A4 20210120

DOCDB simple family (application)

CN 201880015211 A 20180302; EP 18761097 A 20180302