

**Information on Search Strategy - Pilot phase (see OJ 2015, A86)**

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2017/058229

TITLE: NATURAL LANGUAGE PROCESSING WITH AN N-GRAM MACHINE

APPLICANT: GOOGLE LLC

IPC CLASSIFICATION: G06F17/27, G06F17/30, G06N3/02

EXAMINER: Woods, Justin

CONSULTED DATABASES: DOSYS, NPL, EPODOC, INET, WPI

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: G06F17/2785, G06F17/30, G06N3/02

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Neural Question-answering system.

questions

answers

neural network

sequence-to-sequence model

RNN

Manager-Programmer-Computer framework

knowledge graph

n-gram

REINFORCE algorithm

code assist

structural tweaking