

Title (en)
MACHINE LEARNING FOR TRANSLITERATION

Title (de)
MASCHINELLES LERNEN FÜR TRANSKRIPTION

Title (fr)
APPRENTISSAGE AUTOMATIQUE POUR TRANSLITTÉRATION

Publication
EP 2132657 A4 20180103 (EN)

Application
EP 08731575 A 20080306

Priority
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Abstract (en)
[origin: WO2008109769A1] Methods, systems, and apparatus, including computer program products, for performing transliteration between text in different scripts. In one aspect, a method includes generating a transliteration model based on statistical information derived from parallel text having first text in an input script and corresponding second text in an output script; and using the transliteration model to transliterate input characters in the input script to output characters in the output script. In another aspect, a method includes performing word level transliterations. In another aspect, a method includes using an entry-aligned dictionary of source and target script pairs, in which, whenever a particular source word is mapped to multiple target words, the dictionary includes an entry for each target word including the same source word repeated in each entry. In another aspect, a method includes using phonetic scores of words in different scripts to identify corresponding parallel text.

IPC 8 full level
G06F 17/28 (2006.01)

CPC (source: EP)
G06F 40/126 (2020.01); **G06F 40/16** (2020.01)

Citation (search report)
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• [I] JONG-HOON OH ET AL: "A Hybrid Model for Extracting Transliteration Equivalents from Parallel Corpora", 1 January 2006, TEXT, SPEECH AND DIALOGUE LECTURE NOTES IN COMPUTER SCIENCE;LECTURE NOTES IN ARTIFICIAL INTELLIGENCE;LNCS, SPRINGER, BERLIN, DE, PAGE(S) 119 - 126, ISBN: 978-3-540-39090-9, XP019040091
• [I] CHOI K ET AL: "A Comparison of Different Machine Transliteration Models", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 6 October 2006 (2006-10-06), XP080531384, DOI: 10.1613/JAIR.1999
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Citation (examination)
BROWN P F ET AL: "THE MATHEMATICS OF STATISTICAL MACHINE TRANSLATION: PARAMETER ESTIMATION", COMPUTATIONAL LINGUIS, CAMBRIDGE, MA, US, vol. 19, no. 2, 1 June 1993 (1993-06-01), pages 263 - 311, XP008022787

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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

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