

Title (en)
METHOD AND SYSTEM FOR CODE OFFLOADING IN MOBILE COMPUTING

Title (de)
VERFAHREN UND SYSTEM ZUR CODE-ABLADUNG IN DER MOBILEN DATENVERARBEITUNG

Title (fr)
PROCÉDÉ ET SYSTÈME DE TRANSFERT DE CODE EN INFORMATIQUE MOBILE

Publication
EP 3221789 A1 20170927 (EN)

Application
EP 15797260 A 20151021

Priority
EP 2015074319 W 20151021

Abstract (en)
[origin: WO2017067586A1] A hybrid offloading network system for offloading computational tasks, comprises a server cloud that is adapted, when receiving an offloading task, to execute the offloading task; an ambient cloud comprising a plurality of smart devices, wherein each smart device is adapted to deliver, as an offloader, its offloading task and attributes of the offloading task, and/or is adapted, when receiving an offloading task, to execute, as an offloadee, the offloading task. A smart router manages information on currently available computational resources both in the server cloud and the ambient cloud. The smart router receives offloading tasks from the ambient cloud, decides which candidate among the server cloud and the offloadee(s) of the ambient cloud, each received offloading task is to be forwarded to, based on the resource information of each candidate, the attributes of the offloading task and/or network bandwidth, and forwards the offloading task to the decided candidate.

IPC 8 full level
G06F 9/50 (2006.01)

CPC (source: EP)
G06F 9/5094 (2013.01); **H04L 67/10** (2013.01); **H04L 67/101** (2013.01); **H04L 67/1012** (2013.01); **H04L 67/34** (2013.01); **G06F 2209/509** (2013.01); **Y02D 10/00** (2017.12)

Citation (search report)
See references of WO 2017067586A1

Citation (examination)
• RAHIMI M REZA ET AL: "MuSIC: Mobility-Aware Optimal Service Allocation in Mobile Cloud Computing", 2013 IEEE SIXTH INTERNATIONAL CONFERENCE ON CLOUD COMPUTING, IEEE, 28 June 2013 (2013-06-28), pages 75 - 82, XP032525338, DOI: 10.1109/CLOUD.2013.100
• REZA RAHIMI M ET AL: "MAPCloud: Mobile Applications on an Elastic and Scalable 2-Tier Cloud Architecture", UTILITY AND CLOUD COMPUTING (UCC), 2012 IEEE FIFTH INTERNATIONAL CONFERENCE ON, IEEE, 5 November 2012 (2012-11-05), pages 83 - 90, XP032322932, ISBN: 978-1-4673-4432-6, DOI: 10.1109/UCC.2012.25

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

Designated extension state (EPC)
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