

Title (en)
TRIGGERING CONGESTION CONTROL FOR RADIO AWARE APPLICATIONS OR IN A MANNER SUCH THAT THE MOBILE DEVICE RADIO IS APPLICATION AWARE

Title (de)
AUSLÖSUNG EINER ÜBERLASTREGELUNG FÜR FUNKBEWUSSTE ANWENDUNGEN ODER IN EINER WEISE, DASS DER MOBILGERÄTEFUNK ANWENDUNGSBEWUSST IST

Title (fr)
DÉCLENCHEMENT DE GESTION DE CONGESTION POUR APPLICATIONS À SENSIBILITÉ RADIO OU POUR QUE LA RADIO DU DISPOSITIF MOBILE SOIT SENSIBLE AUX APPLICATIONS.

Publication
EP 2921001 A1 20150923 (EN)

Application
EP 13856753 A 20131115

Priority

- US 201261727056 P 20121115
- US 201313844787 A 20130315
- US 201313844704 A 20130315
- US 2013070360 W 20131115

Abstract (en)
[origin: WO2014081637A1] Currently, the radio on the device is the only one aware of network congestion while applications are not. At the same time, only the application is aware of the criticality of information it needs to send across the network. In order to address mobile network congestion more effectively, device radio needs to become application aware or application becomes radio aware. This way, the device radio knows the priority of the application traffic and does not blindly block critical information while allowing non critical information to be transferred or the application knows that the network is congested and uses it efficiently. The current congestion management mechanisms have their triggers and corrective actions limited to the device radio level without any regard to application. To address this problem, the disclosed technology includes a solution for congestion management where the trigger is on radio level while corrective measures are at IP/application layer.

IPC 8 full level
H04W 48/06 (2009.01); **H04W 28/08** (2009.01)

CPC (source: EP)
H04L 67/2876 (2013.01); **H04L 67/535** (2022.05)

Citation (search report)
See references of WO 2014081637A1

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)
BA ME

DOCDB simple family (publication)
WO 2014081637 A1 20140530; EP 2921001 A1 20150923

DOCDB simple family (application)
US 2013070360 W 20131115; EP 13856753 A 20131115