

7 Documents

Publication numbers	Title	Current assignees
CA2981855 A1	Techniques for employing access node clusters in end-to-end beamforming	VIASAT
WO2009114629 A1	Wireless antenna array system architecture and methods to achieve 3d beam coverage	INTEL
US20150043449 A1	Network management	INTEL
CA2931664 A1	Techniques for communication between interworking function and short message service nodes for device trigger replacement/recall	INTEL
GB201009714 D0	Camera applications in a handheld device	INTEL
CA2879206 A1	Communication of preferred power consumption configurations	INTEL
US20040004559 A1	Enhanced electronic ink displays	RAST RODGER H.

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Title

(EP3298703)

Techniques for employing access node clusters in end-to-end beamforming

Images

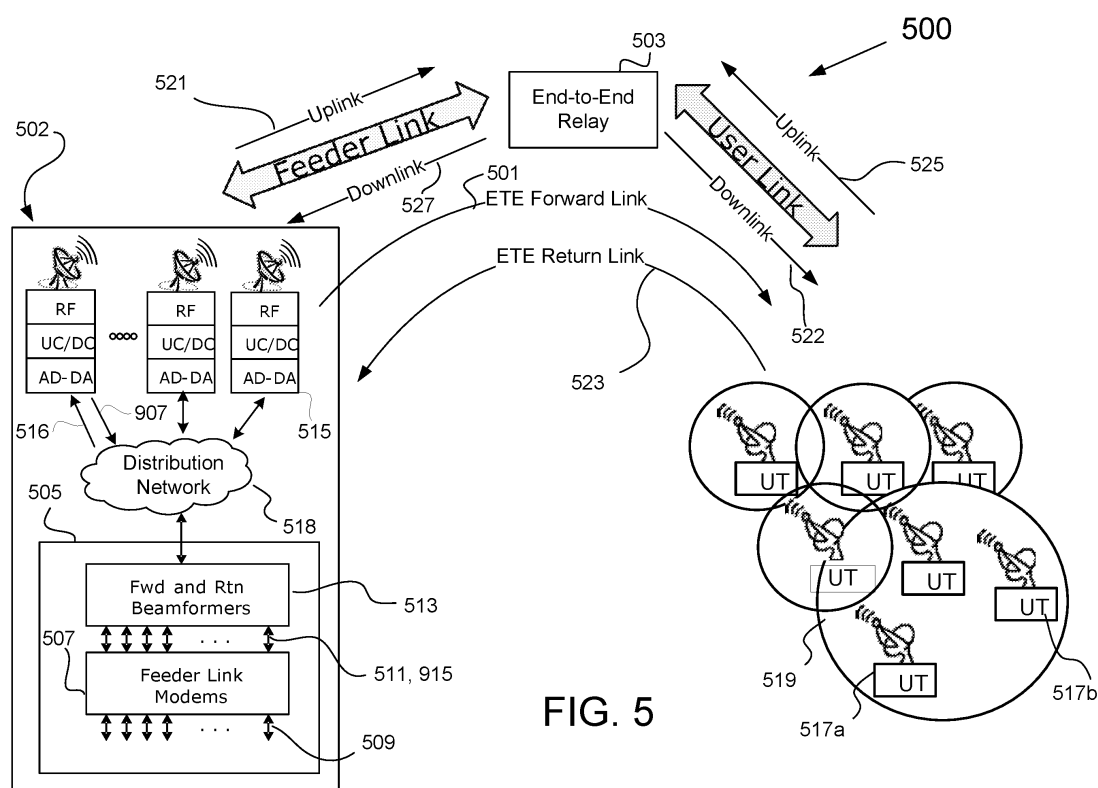


FIG. 5

Publication data including kind & date

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Abstract

(EP3298703)

Techniques for end-to-end beamforming in a wireless communication system using access node clusters that are distinct from a user coverage area are described. Forward link end-to-end beamforming may involve multiple access nodes in one or more access node clusters transmitting signals that, when relayed by multiple transmit/receive signals paths within an end-to-end-relay, form user beams in the user coverage area. Return link end-to-end beamforming includes applying beamforming weights to signals transmitted by user terminals and relayed by multiple transmit/receive signals paths in the end-to-end relay to the access nodes to form return beam signals associated with return user beams. The access node clusters may overlap or be outside the user coverage area, and multiple access node clusters may serve one or more user coverage areas selectively or concurrently. Multiple feeder-link frequency bands may be employed by the same or different access node clusters.

Inventors

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DANKBERG MARK

BUER KENNETH

RUNYON DONALD

Latest standardized assignees - inventors removed

VIASAT

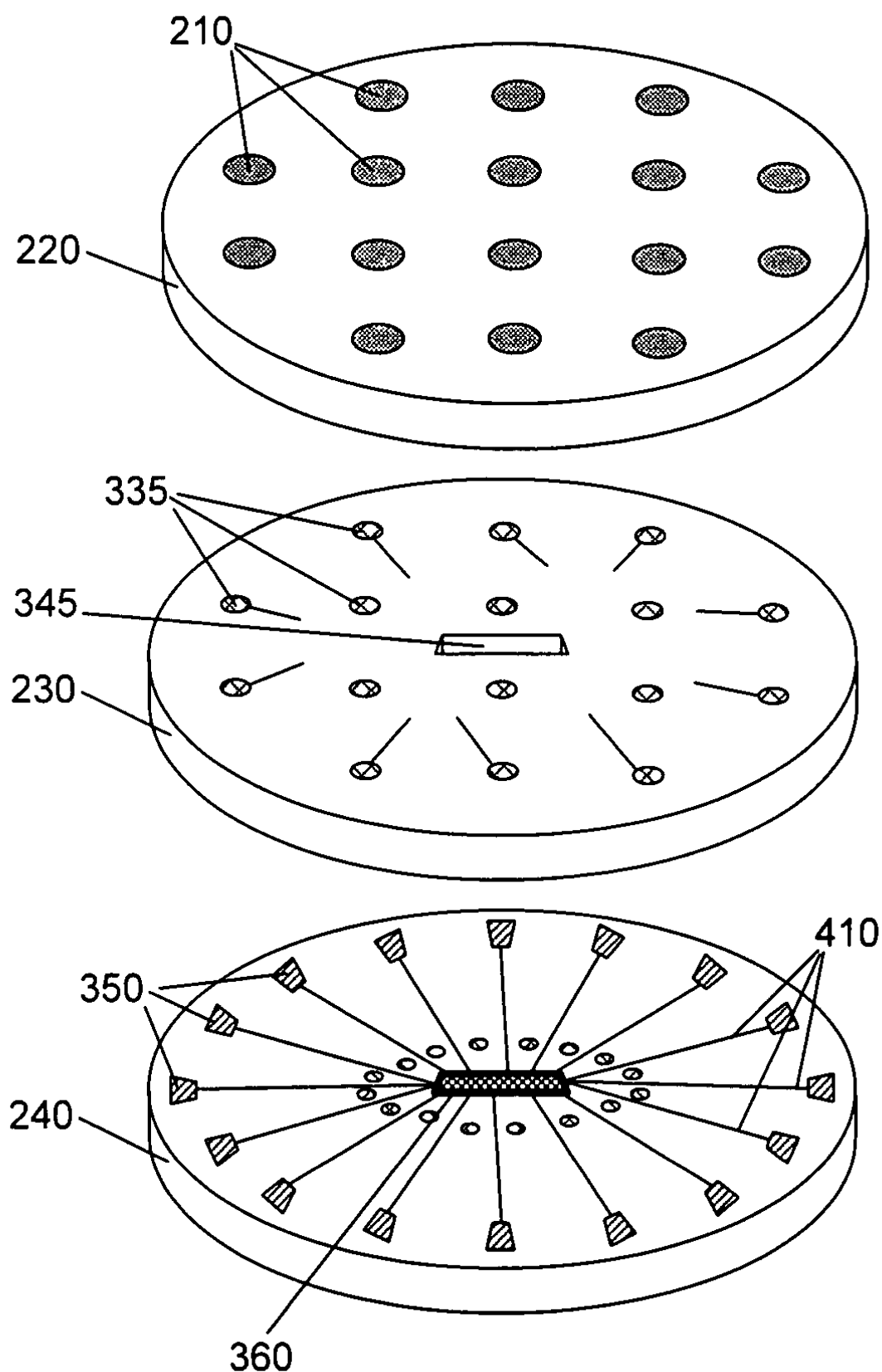
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Title

(EP3331095)

Wireless antenna array system architecture and methods to achieve 3d beam coverage

Images



Publication data including kind & date

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Abstract

(EP3331095)

Embodiments of wireless antenna array systems to achieve three-dimensional beam coverage are described herein. Other embodiments may be described and claimed.

Inventors

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Latest standardized assignees - inventors removed

INTEL

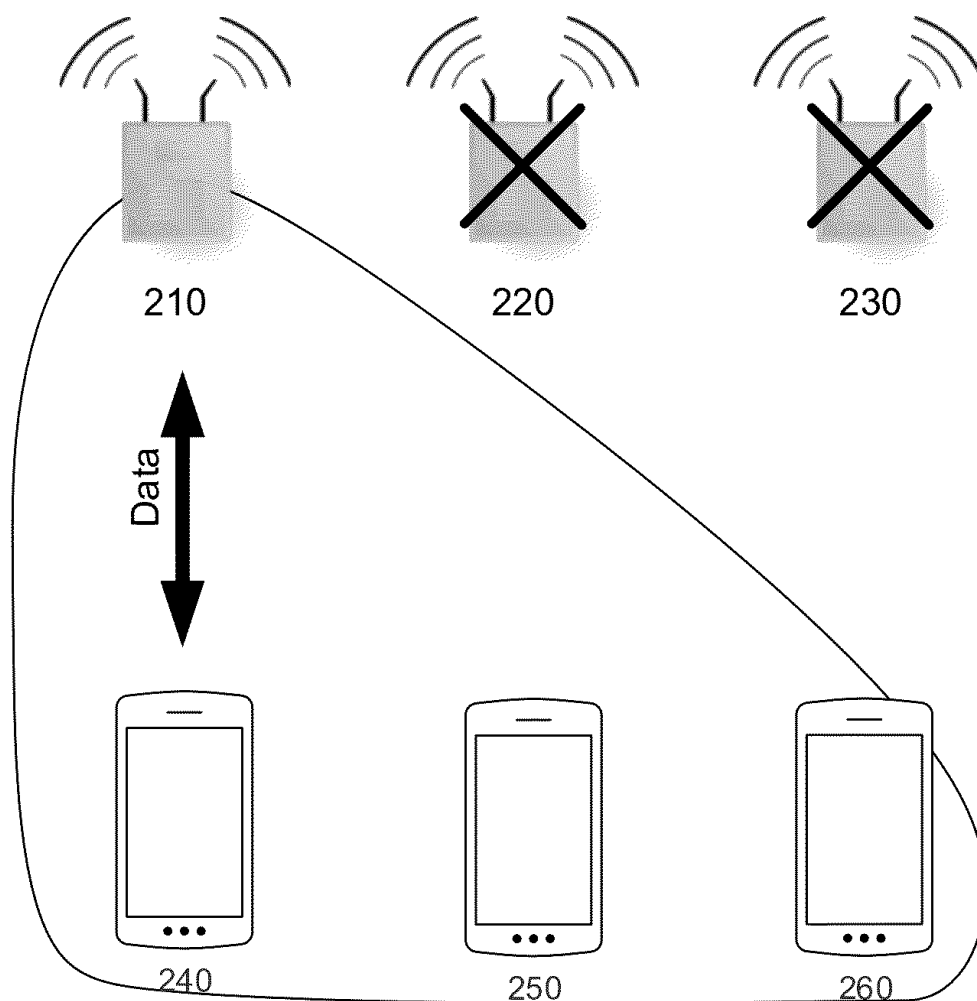
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Title

(EP3031295)

Network management

Images



Publication data including kind & date

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Abstract

(EP3031295)

Embodiments relate to network management of a wireless network in which inactive cells are selectively activated thereby changing the radio environment of a user equipment. The changed radio environment is assessed to determine a preferred distribution of active cells for that user equipment.

Inventors

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MALTSEV ALEXANDER

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Latest standardized assignees - inventors removed

INTEL

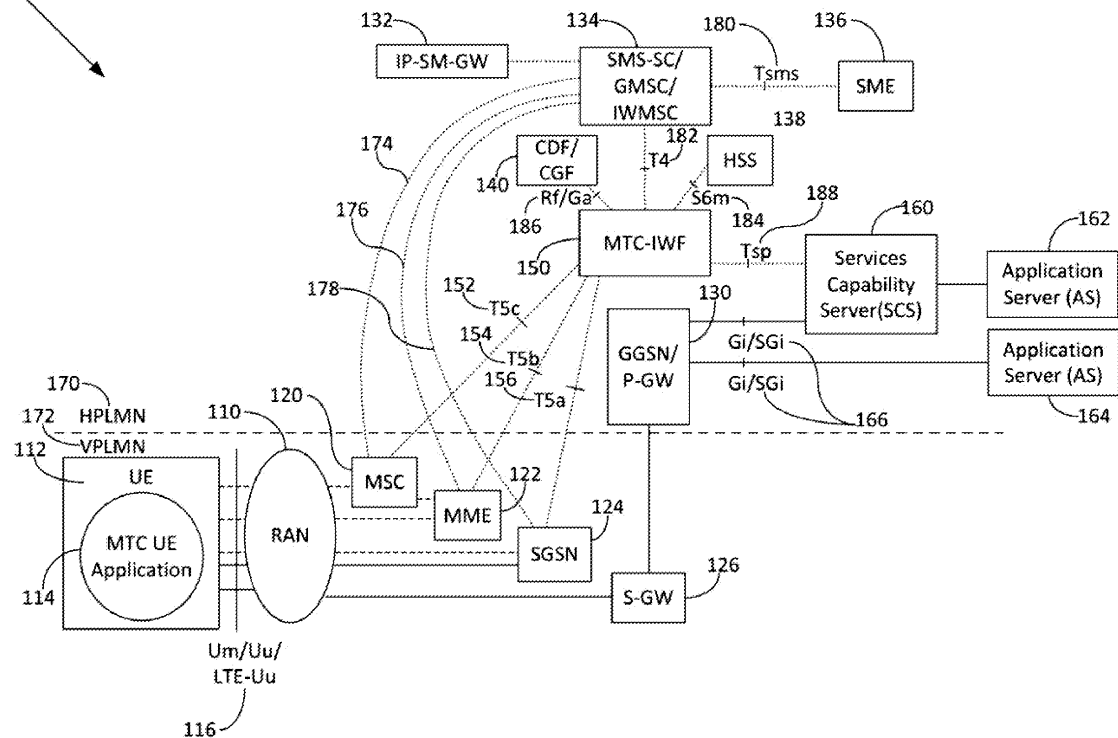
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Title

(EP3092869)

Techniques for communication between interworking function and short message service nodes for device trigger replacement/recall

System 100



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Abstract

(EP3092869)

Techniques to support device trigger replacement and/or recall are described. In one embodiment, for example, a machine-type communication interworking function (MTC-IWF) node may comprise logic, at least a portion of which is in hardware, the logic to receive a trigger adjustment request comprising a stored trigger identifier (ID), the trigger adjustment request constituting a request to adjust a stored device trigger associated with the stored trigger ID, select a trigger adjustment procedure for the stored device trigger based on the trigger adjustment request, and send a first T4 interface command over a T4 interface connection to initiate the selected trigger adjustment procedure. Other embodiments are described and claimed.

Inventors

JAIN PUNEET K

Latest standardized assignees - inventors removed

INTEL

Family 5/7 - FAMPAT - ©Questel

Title

(EP3220180)

Camera applications in a handheld device

Images

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IN8978/DELNP/2011	A	2013-01-18	IN2011DN08978				
IN8977/DELNP/2011	A	2013-01-18	IN2011DN08977				
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US9195816	B2	2015-11-24	US9195816				
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EP2958014	A1	2015-12-23	EP2958014				
US2016026884	A1	2016-01-28	US20160026884				
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IN9853/DELNP/2015	A	2016-03-18	IN2015DN09853				

EP3012767	A1	2016-04-27	EP3012767				
EP3012768	A1	2016-04-27	EP3012768				
EP3012769	A1	2016-04-27	EP3012769				
US9330322	B2	2016-05-03	US9330322				
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IN8942/DELNP/2011	A	2016-08-31	IN2011DN08942				
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EP3176687	A1	2017-06-07	EP3176687				
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EP3220180	A1	2017-09-20	EP3220180				
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US9851897	B2	2017-12-26	US9851897				
EP2443532	B1	2018-01-24	EP2443532				

Abstract

(EP3220180)

A hand held device containing at least one camera can perform various functions. In some embodiments, digitized images taken with two or more camera lenses having different fixed focal lengths may be combined to emulate a high-resolution optical zoom, and may also permit the device to perform 3D applications. In other embodiments, a device containing a camera may perform as a bar code reader, and may wirelessly transmit and/or visually present a bar code to other devices. Movable optics may permit the same camera to focus on either distant objects or on a close-up bar code.

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Latest standardized assignees - inventors removed

INTEL

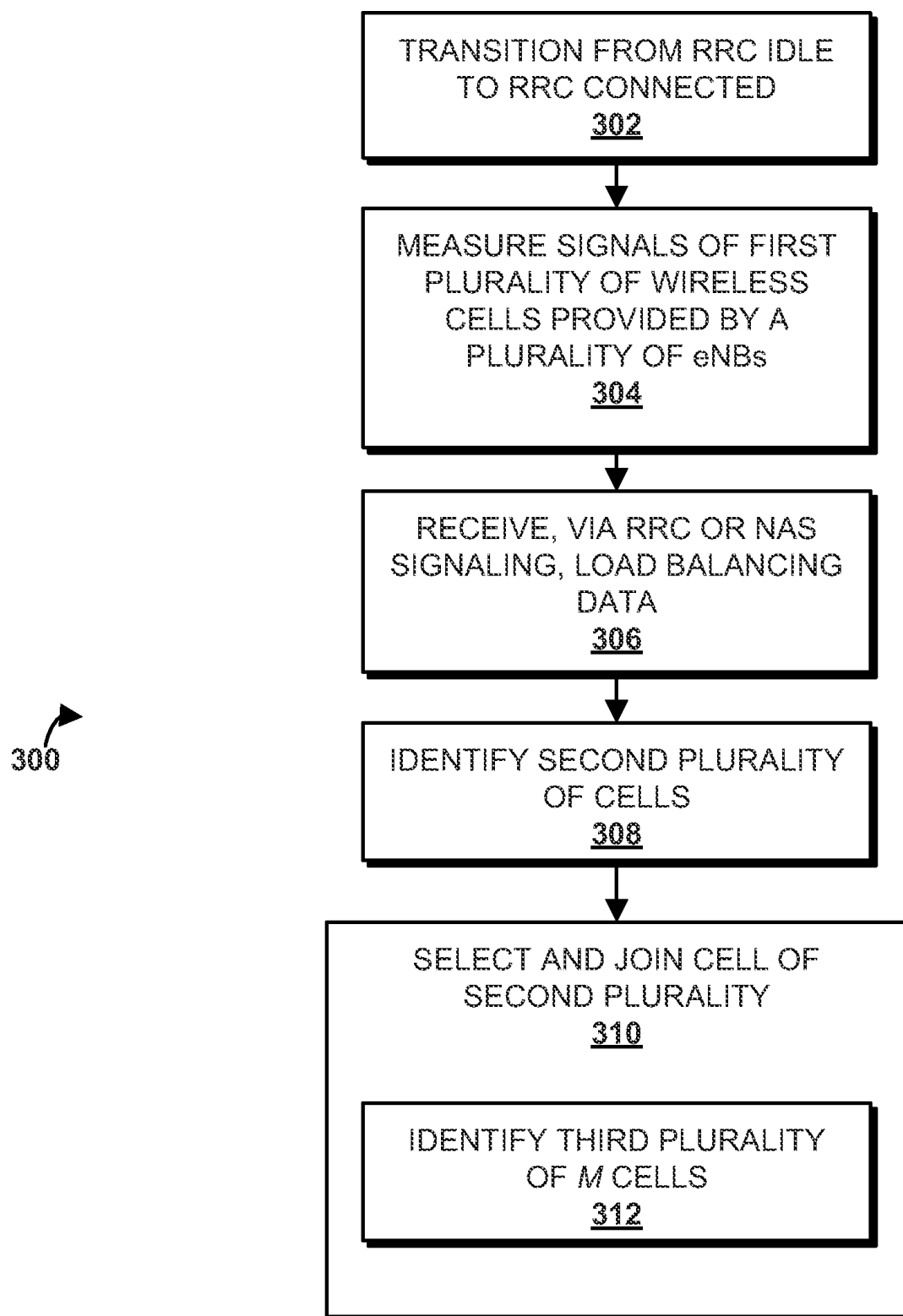
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Title

(EP3300261)

Communication of preferred power consumption configurations

Images



Publication data including kind & date

CA2879206	A1	2014-04-03	CA2879206
WO2014052956	A1	2014-04-03	WO201452956
WO2014052955	A1	2014-04-03	WO201452955
US2014095730	A1	2014-04-03	US20140095730
US2014095670	A1	2014-04-03	US20140095670
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US9277440	B2	2016-03-01	US9277440				
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EP2901725	A4	2016-03-23	EP2901725				
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EP2901601	A4	2016-04-27	EP2901601				
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EP2901619	A4	2016-05-04	EP2901619				
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EP2901748	A4	2016-05-11	EP2901748				
EP2901574	A4	2016-05-11	EP2901574				
EP2901811	A4	2016-05-18	EP2901811				

HK1211397	A1	2016-05-20	HK1211397				
EP2901602	A4	2016-05-25	EP2901602				
EP2901588	A4	2016-05-25	EP2901588				
EP2901768	A4	2016-06-01	EP2901768				
EP2901729	A4	2016-06-01	EP2901729				
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US2016157178	A1	2016-06-02	US20160157178				
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EP2901749	A4	2016-06-15	EP2901749				
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EP2901767	A4	2016-06-22	EP2901767				
EP2901584	A4	2016-06-22	EP2901584				
JP2016119709	A	2016-06-30	JP2016119709				
IN0564/CHENP/2015	A	2016-07-01	IN2015CN00564				
IN1096/CHENP/2015	A	2016-07-01	IN2015CN01096				
IN0565/CHENP/2015	A	2016-07-01	IN2015CN00565				
IN0458/CHENP/2015	A	2016-07-01	IN2015CN00458				
US9386487	B2	2016-07-05	US9386487				
US9386486	B2	2016-07-05	US9386486				
EP2901804	A4	2016-07-06	EP2901804				
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EP2901751	A4	2016-10-05	EP2901751				
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MX342952	B	2016-10-18	MX-342952				
EP2910050	A4	2016-11-09	EP2910050				
AU2013323321	B2	2016-11-10	AU2013323321				

US9497740	B2	2016-11-15	US9497740				
KR20160135856	A	2016-11-28	KR20160135856				
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EP3122149	A1	2017-01-25	EP3122149				
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US2017026868	A1	2017-01-26	US20170026868				
US2017041827	A1	2017-02-09	US20170041827				
US9578635	B2	2017-02-21	US9578635				
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US9591581	B2	2017-03-07	US9591581				
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JP2017050884	A	2017-03-09	JP2017050884				
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KR101728252	B1	2017-04-18	KR101728252				
US9629131	B2	2017-04-18	US9629131				
JP6129974	B2	2017-05-17	JP6129974				
US2017150484	A1	2017-05-25	US20170150484				
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AU2017203569	A1	2017-06-15	AU2017203569				
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BR112015004036	A2	2017-07-04	BR112015004036				
BR112015004006	A2	2017-07-04	BR112015004006				
KR101754889	B1	2017-07-06	KR101754889				
KR101761273	B1	2017-07-25	KR101761273				
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EP2901768	B1	2017-08-02	EP2901768				
US9743390	B2	2017-08-22	US9743390				
CA2879206	C	2017-08-22	CA2879206				

KR101777538	B1	2017-09-11	KR101777538				
US9781638	B2	2017-10-03	US9781638				
EP2901810	B1	2017-10-25	EP2901810				
CN104604167	B	2017-10-27	CN104604167B				
ES2640623	T3	2017-11-03	ES2640623				
EP3247050	A1	2017-11-22	EP3247050				
KR101800707	B1	2017-11-23	KR101800707				
EP2901577	B1	2017-11-29	EP2901577				
US2017347286	A1	2017-11-30	US20170347286				
US9843958	B2	2017-12-12	US9843958				
EP2901741	B1	2017-12-13	EP2901741				
US9848353	B2	2017-12-19	US9848353				
US9848351	B2	2017-12-19	US9848351				
EP2918136	B1	2017-12-20	EP2918136				
US2017374577	A1	2017-12-28	US20170374577				
KR101819614	B1	2018-01-17	KR101819614				
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JP6263827	B2	2018-01-24	JP6263827				
US2018027442	A1	2018-01-25	US20180027442				
ES2651691	T3	2018-01-29	ES2651691				
CN104604175	B	2018-02-06	CN104604175B				
KR101828887	B1	2018-02-13	KR101828887				
CN104584475	B	2018-02-13	CN104584475B				
JP6283382	B2	2018-02-21	JP6283382				
ES2655991	T3	2018-02-22	ES2655991				
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CN104584482	B	2018-02-23	CN104584482B				
HUE034753	T2	2018-02-28	HUE034753				
ES2660053	T3	2018-03-20	ES2660053				
ES2660031	T3	2018-03-20	ES2660031				
US9924401	B2	2018-03-20	US9924401				
EP3300261	A1	2018-03-28	EP3300261				
CN104662997	B	2018-03-30	CN104662997B				
BR112015004583	A1	2018-04-03	BR112015004583				
US9942791	B2	2018-04-10	US9942791				
CN104604165	B	2018-04-13	CN104604165B				
US9949164	B2	2018-04-17	US9949164				
CN104662814	B	2018-04-24	CN104662814B				
JP6316361	B2	2018-04-25	JP6316361				
CN104584620	B	2018-05-11	CN104584620B				
AU2017200813	B2	2018-05-17	AU2017200813				
KR101861498	B1	2018-05-25	KR101861498				
CN104737485	B	2018-05-29	CN104737485B				
CN104704767	B	2018-05-29	CN104704767B				
EP2901602	B1	2018-05-30	EP2901602				
CN108112064	A	2018-06-01	CN108112064				

Abstract

(EP3300261)

Technology for communicating power preference indication (PPI) message is described. A user equipment (UE) may receive PPI configuration information, from an evolved node B (eNB), wherein the PPI configuration information includes a predetermined threshold for a number of PPI messages that the UE can communicate to the eNB during a defined time window. The UE may communicate a plurality of PPI messages after sending a low power consumption configuration to the eNB during the defined time window, wherein the plurality of PPI messages each indicate a change in preferred power consumption configuration. The UE may detect that the plurality of PPI messages exceeds the predetermined threshold for the number of PPI messages that the UE can communicate to the eNB during the defined time window as defined in the PPI configuration information. The UE may initiate a threshold timer in response to the plurality of PPI messages exceeding the predetermined threshold to restrict additional PPI messages from being communicated to the eNB until expiration of the threshold timer.

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Latest standardized assignees - inventors removed

INTEL

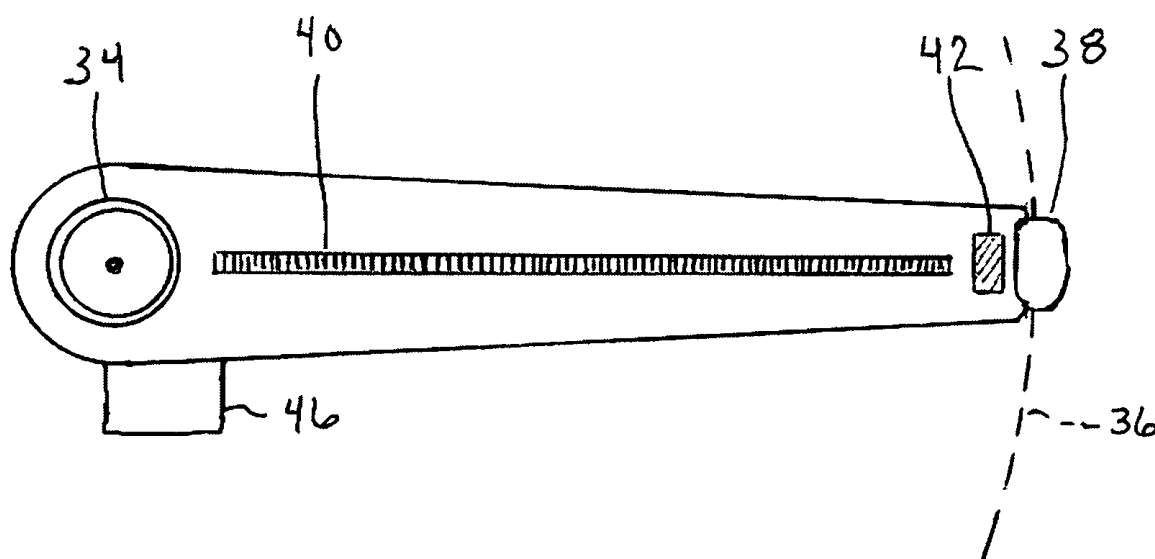
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Title

(US7198341)

Enhanced electronic ink displays

Images



Publication data including kind & date

US2004004559	A1	2004-01-08	US20040004559
US2004012613	A1	2004-01-22	US20040012613
US2004056779	A1	2004-03-25	US20040056779
US7198341	B1	2007-04-03	US7198341
US2007140095	A1	2007-06-21	US20070140095



Abstract

(US7198341)

An apparatus for rewritably labeling data media, such as compact disks CDs, DVDs, or other forms of media. The media may be programmed within a player/recorder device adapted for programming the state of the electronic ink material on the media. Labels on the media may be rewritten at any time without the need to remove a prior label. A small handheld label

printing device is also described for writing the labels. Numerous other display embodiments particularly suited to electronic ink, and various embodiments of LED array control.

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