

1) Family number: 50846045 (US2013280383A)

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Title: ELECTROLYTE FORTIFYING COMPOSITION FOR RECHARGE, A HYDRATING SUPPLEMENT, AND PROCESS FOR PREPARING THE SAME

Abstract: Nutrient fortifying composition for food products and electrolyte fortifying composition for recharge comprising calcium chloride, magnesium chloride, potassium bicarbonate, acidity regulator, copper sulphate; and class II preservative. A hydration supplement and a fortified water beverage to supplement the deficiencies of chromium and boron in humans. The hydrating supplement is such that the amount of the calcium chloride is 9.5 percent to 15.695 percent by weight, amount of Magnesium chloride is 2.2 percent to 10.31 percent by weight, amount of potassium bicarbonate is 10.2 percent to 15.99 percent by weight and amount of Copper sulfate is 32.14 percent to 55.7 percent by weight. The hydrating supplement is in liquid or semi I solid form, such as a beverage such as aerated drink or treated water.

Classifications:

International (ipc 8-9): A23F A23F3/16 A23L A23L1/05 A23L1/29 A23L1/304 A23L2/38 A23L2/52 A23L33/16 A61K A61K31/19 A61K31/198 A61K33/14 A61K33/30 A61K33/34 A61K47/12 A61K9/08 A61P3/02 (Advanced/Invention)

CPC: A23L2/52 A23V2250/1642 A23V2002/00 A61K33/14 A61K33/30 A61K33/34 A23L33/16 A23L1/304 A61K2300/00 A23V2250/032 A23V2250/1578 A23V2250/1588 A23V2250/16 A23V2250/161

European: A23L1/304 A23L2/52 A61K33/14 A61K33/34 K23V2/00

US: 426/648 426/66 426/74

JP F-Term: 4B017 4B017/LC03 4B017/LK01 4B017/LK02 4B017/LL09 4B017/LP11 4B018 4B018/LB08 4B018/MD01 4B018/MD03 4B018/MD04 4B018/MD05 4B018/ME02 4B018/ME14 4B018/MF02 4B117 4B117/LC04 4B117/LK01 4B117/LK02 4B117/LK03 4B117/LL09 4B117/LP12 4B017/LK08 4B017/LL07 4B117/LK08 4B117/LL07 4C076 4C076/AA12 4C076/CC22 4C076/DD41 4C076/FF39 4C086 4C086/AA01 4C086/HA01 4C086/HA04 4C086/MA03 4C086/MA05 4C086/MA17 4C086/MA52 4C086/NA14 4C086/ZC21 4C201 4C206 4C206/AA01 4C206/DA07 4C206/MA03 4C206/MA05 4C206/MA30 4C206/MA37 4C206/MA72 4C206/NA14 4C206/ZC21 4B018/MD02 4B018/MD09 4B017/LC09 4B017/LC10 4B017/LG04 4B017/LK04 4B017/LK06 4B018/MD07 4B018/MD52 4B018/MD94 4B117/LC14 4B117/LC15 4B117/LG05 4B117/LK04 4B117/LK06

JP F-Index: A23L1/304 A23L2/00/F A23L2/38/B A23L2/52 A23L33/10 A23L33/16 A23L2/68 A61K31/19 A61K33/34 A61K47/12 A61K9/08 A61P3/02 A23L33/12 A23L2/42 A23L2/54/101

Family:

Publication number	Publication date	Application number	Application date
EP2618678 A2	20130731	EP20110826523	20110923
EP2618678 A4	20150812	EP20110826523	20110923
EP2618679 A2	20130731	EP20110826524	20110923
EP2618679 A4	20140326	EP20110826524	20110923
IN01070KO2010 A	20180316	IN2010KO01070	20100923
IN01072KO2010 A	20180316	IN2010KO01072	20100923
JP2013537807 T2	20131007	JP20130529775T	20110923
JP2013538576 T2	20131017	JP20130529776T	20110923
JP2016019536 A2	20160204	JP20150174317	20150904
JP2016039803 A2	20160324	JP20150174316	20150904
SG188627 A1	20130430	SG20130021084	20110923
SG188629 A1	20130430	SG20130021183	20110923
US2013280383 AA	20131024	US20110825785	20110923
US2013287897 AA	20131031	US20110825773	20110923
US10080379 BB	20180925	US20110825773	20110923
WO12038987 A2	20120329	WO2011IN00674	20110923
WO12038987 A3	20120628	WO2011IN00674	20110923
WO12038988 A2	20120329	WO2011IN00675	20110923
WO12038988 A3	20120628	WO2011IN00675	20110923
WO12038988 A8	20130124	WO2011IN00675	20110923
ZA201302921 A	20131223	ZA20130002921	20130422
ZA201302922 A	20131223	ZA20130002922	20130422

Priority:

IN2010KO01070	20100923	IN2010KO01072	20100923	JP20130529775T	20110923
JP20130529776T	20110923	WO2011IN00674	20110923	WO2011IN00675	20110923
JP20150174317	20150904	JP20150174316	20150904		

Probable Assignee: TATA GLOBAL BEVERAGES LTD

Assignee(s): (std): COLLETE MICHEAL ; COLLETTE MICHAEL ; HIDEELL HENRY ; PODDAR PRADEEP ; AGRO C E ; TATA GLOBAL BEVERAGES LTD

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Inventor(s): AGRO CE

Agent(s): STROEM AND GULLIKSSON AB; ASAMURA PATENT OFFICE PC; FISH AND RICHARDSON PC; WILSON NEETI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: RESOURCE ALLOCATION

Abstract: Efficient encoding techniques are described for encoding resource allocation data to be signalled to a number of user devices in a communication system. In one encoding technique, a resource allocation bit pattern is transmitted to all the users together with a resource ID for each user. Each user then identifies its allocated sub-carriers using the received allocation bit pattern and the received resource ID. In another encoding technique, a code tree is used to generate a value representing the sub-carrier allocation. The user device then uses the code tree to determine the sub-carrier allocation from the signalled value.

Classifications:

International (IPC 8-9): A61K31/4365 A61P11/06 A61P17/06 A61P19/02 A61P29/00 A61P31/00 A61P35/00 A61P37/06 A61P9/10 C07D495/04 D04C1/12 H04J1/00 H04J11/00 H04J14/02 H04L1/00 H04L12/56 H04L27/26 H04L5/00 H04L5/02 H04Q7/38 H04W16/02 H04W28/06 H04W4/00 H04W48/00 H04W72/04 H04W72/12 H04W72/14 H4L27/26 H4L5/02 (Advanced/Invention); H04J11/00 H04L27/26 (Advanced/Non-invention); H04J1/00 H04J11/00 H04J14/02 H04L12/56 H04L27/26 H04L5/02 H04Q7/38 H04W72/00 (Core/Invention)

International (IPC 1-7): H04L5/02

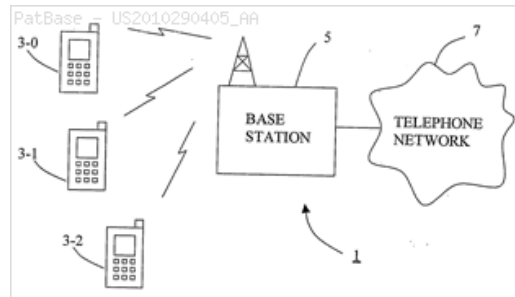
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European: H04J14/02S H04L12/56D5 H04L5/00E2 H04Q7/38C8

US: 1/1 370/329 370/329P 370/343 370/480 514/301 546/114 546/114S

JP F-Term: 5K004 5K022 5K022/AA10 5K022/AA12 5K022/AA22 5K022/DD01 5K022/DD13 5K022/DD19 5K022/DD21 5K022/DD31 5K067 5K067/AA11 5K067/CC01 5K067/DD17 5K067/DD34 5K067/EE02 5K067/EE10 5K067/EE22 5K067/EE61 5K067/GG01 5K067/HH21 5K067/JJ22 5K067/AA14 5K067/HH24 5K022/AA02 5K022/AA04 5K022/AA11 5K022/AA21 5K067/AA13 5K067/BB04 5K067/AA21 5K067/BB21 5K067/DD11 5K067/FF02 5K067/HH23 5K067/JJ12 5K067/JJ02 5K067/JJ21 5K067/EE71 5K067/CC02 5K067/HH22

JP F-Index: H04J1/00 H04J11/00/Z H04L27/26/113 H04Q7/00/543 H04Q7/00/548 H04Q7/00/564 H04W72/04/110 H04W72/04/133 H04W72/14 H04W72/04/131 H04Q7/00/561 H04W72/12/110 H04Q7/00/264 H04W28/06 H04L27/26/100 H04W72/04/132 H04W72/04/111 H04W28/06/110 H04W72/04/136

**Family:**

Publication number	Publication date	Application number	Application date
AU2007239864 AA	20071025	AU20070239864	20070320
AU2007239864 BB	20110317	AU20070239864	20070320
BRPI0707071 A2	20110419	BR2007PI07071	20070320
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CA2794609 C	20170228	CA20072794609	20070320
CA2922166 AA	20071025	CA20072922166	20070320
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EP1997260 A1	20081203	EP20070739962	20070320
EP1997260 B1	20130724	EP20070739962	20070320
EP2466781 A2	20120620	EP20120159956	20070320
EP2466781 A3	20120627	EP20120159956	20070320
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EP3425838 A1	20190109	EP20180189978	20070320
ES2431141 T3	20131125	ES20070739962T	20070320
ES2432348 T3	20131202	ES20120159956T	20070320
ES2523295 T3	20141124	ES20130166865T	20070320
ES2586948 T3	20161019	ES20140173033T	20070320
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GB200605581 A0	20060426	GB20060005581	20060320
GB2436416 A1	20070926	GB20060005581	20060320
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IN201748026393 A	20170728	IN201748026393	20170725
IN285945 B	20170804	IN2008CN05631	20081020

JP2009530874 T2	20090827	JP20080543813T	20070320
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JP2012151881 A2	20120809	JP20120056317	20120313
JP2012231543 A2	20121122	JP20120179504	20120813
JP2012257309 A2	20121227	JP20120179503	20120813
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JP2014212550 A2	20141113	JP20140128478	20140623
JP2015180096 A2	20151008	JP20150100716	20150518
JP4760913 B2	20110831	JP20080543813T	20070320
JP5110183 B2	20121226	JP20110060585	20110318
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RU2011119596 A	20121127	RU20110119596	20070320
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RU2017125245 A	20190114	RU20170125245	20170714
RU2450462 C2	20120510	RU20080141293	20070320
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RU2528020 C2	20140910	RU20110119595	20110516
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RU2625908 C2	20170719	RU20160100338	20160112
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TR201711598 T4	20170921	TR20170011598T	20070320
TR201820893 T4	20190221	TR20180020893T	20070320
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US2012076083 AA	20120329	US20110137996	20110923
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US2012250634 AA	20121004	US20110137992	20110923
US2012269157 AA	20121025	US20120540730	20120703
US2016242178 AA	20160818	US20160064784	20160309
US2017207899 AA	20170720	US20170475358	20170331
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US8885580 BB	20141111	US20110137996	20110923
US8897239 BB	20141125	US20110137992	20110923
US9319206 BB	20160419	US20110137991	20110923
US9661630 BB	20170523	US20160064784	20160309
WO07119542 A1	20071025	WO2007JP56524	20070320

Priority:

GB20060005581	20060320	US20060837319P	20060814	CA20072646183	20070320
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US20170475358	20170331	EP20170166597	20170413		

Probable Assignee: NEC CORP

Assignee(s): (std): ARNOTT ROBERT ; GREGOR PAUL ; HARRIS NICOLAS ; KOPPEL JURAJ ; MITRA DIPTENDU ; NEC CORP ; NEK CORP ; ZHUK REGINA ; NIPPON ELECTRIC CO

Assignee(s): NEK KORPOREJSHN ; RIMONYX PHARMACEUTICALS LTD

Inventor(s): (std): DIPTENDU MITRA ; EHRNOTT ROBERT ; ERNOTT ROBERT ; GREGOR PAUL ; HARRIS NICOLAS ; KOPPEL JURAJ ; MITRA DIPTENDU ; ARNOTT ROBERT ; ROBERT ARNOTT ; ZHUK REGINA

Inventor(s): ARNOTT ROBERT MINATO KU ; ARNOTT ROBERT TOKYO ; ARBNOTT ROBERT ; MITRA DIPTENDU MINATO KU ; MITRA DIPTENDU TOKYO

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; MACDOUGALL ALAN JOHN SHAW; SMITH JEREMY; DE ELZABURU ALBERTO; ELZABURU SLP ELZABURU SLP; KATO ASAMICHI; UCHIDA KIOHITO; PARK CHUNG BUM; LEE JUNG HEE; CHANG SOO KIL; YURIDICHESKAYA GORODISSKIJ I PARTNERY OOO FA; PINAR ARIKAN; AYSE BURCU SUCUKA; MCGINN INTELLECTUAL PROPERTY LAW GROUP PLLC; BROWDY AND NEIMARK PLLC 624 NINTH STREET NW; MCGINN IP LAW GROUP PLLC; SUGHRUE MION PLLC; SUGRUE MION PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW