

Search query (2): [SP]: methods and compositions for concrete production the invention provides compositions and methods directed to carbonation of a cement mix during mixing. the carbonation may be in a stationary mixer or a transportable mixer, such as a drum of a ready-mix truck.

Results: 27

1) Family number: 2843145 (US5399195A)

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Title: FIBRES AND MATERIAL COMPRISING SAME

Abstract: PCT No. PCT/DK89/00295 Sec. 371 Date Jun. 24, 1991 Sec. 102(e) Date Jun. 24, 1991 PCT Filed Dec. 14, 1989 PCT Pub. No. WO90/06902 PCT Pub. Date Jun. 28, 1990. A method for producing a cement material with reduced development of self-induced cracking, the method comprising: adding to a concrete, mortar or cement mix to which water has been added, an amount of 0.05 to 1 percent by weight, based on the cementitious materials, of synthetic fiber bundles comprising 10-10,000 filaments per bundle, the filaments consisting essentially of a polyolefin, polyolefin derivative, a polyester or a mixture of the foregoing and having a length of 1-30 mm, a mean transverse dimension of 5-30 μ m and an aspect ratio of 100 to 1000, the filaments in each bundle being held together by a wetting agent, the wetting agent proving the individual filaments with a surface tension which allows them to become homogeneously dispersed in a concrete, mortar or paste mix with conventional mixing in conventional concrete mixing equipment, mixing the resultant mix for a period of at least 20 seconds to obtain a concrete, mortar or cement mix in which the individual filaments are homogeneously dispersed, and casting the concrete, mortar or paste mix in a configuration.

Classifications:

International (IPC 8-9): B28B1/52 B28C5/40 C04B16/00 C04B16/06 C04B20/02 C04B20/10 C04B40/00 (Advanced/Invention); B28B1/52 C04B16/00 C04B40/00 (Advanced/Non-invention)

International (IPC 1-7): B28B1/52 B28C5/40 C04B16/00 C04B16/06 C04B20/02 C04B20/10 C04B28/02 C04B40/00 D01F11/04 D01F11/06 D01F11/08

CPC: Y10T428/24124 Y10T428/2913 Y10T428/2931 C04B16/06 C04B20/02 C04B20/10

European: C04B16/06 C04B20/02 C04B20/10

US: 106/711 106/802 106/819 106/823 428/113 428/364 428/374 524/2 524/650

PatBase - RU2074153_C1

Видовые	Минимальная нагрузка	Средняя нагрузка на единицу				
		15 кН	16 кН	17 кН	18 кН	19 кН
Бетон	2,33 МПа	1540	405	—	—	—
Бетон	2,33 МПа	—	4160	17	—	—
Стекловолокно	2,33 МПа	—	4000	—	—	998
Стекловолокно	2,33 МПа	—	4000	4000	4000	1076

RU 2074153 C1

RU 2074153 C1

Family:

Publication number	Publication date	Application number	Application date
AT96766 E	19931115	AT19890900087T	19891214
AU199047570 A1	19900710	AU19900047570	19891214
AU630141 B2	19921022	AU19900047570	19891214
DE0448577 T1	19920227	DE19900900087T	19891214
DE68910533 D1	19931209	DE19896010533	19891214
DE68910533 T2	19940331	DE19896010533T	19891214
DK114191 A	19910813	DK19910001141	19910613
DK114191 A0	19910613	DK19910001141	19910613
DK170614 B1	19951113	DK19910001141	19910613
DK695688 A0	19881214	DK19880006956	19881214
EP0448577 A1	19911002	EP19900900087	19891214
EP0448577 B1	19931103	EP19900900087	19891214
ES2060135 T3	19941116	ES19900900087T	19891214
FI100239 B	19971031	FI19910002848	19910613
FI912848 A0	19910613	FI19910002848	19910613
JP4502142 T2	19920416	JP19890500985T	19891214
NO304933 B1	19990308	NO19910002302	19910614
NO912302 A	19910614	NO19910002302	19910614
NO912302 A0	19910614	NO19910002302	19910614
RU2074153 C1	19970227	SU19894895751	19891214
US5399195 A	19950321	US19940266787	19940628

Priority:

DK19880006956 19881214	WO1989DK00295 19891214	DK19910001141 19910613
US19910689078 19910624	US19920996511 19921221	US19940266787 19940628

Probable Assignee: ANGLO DANISH FIBRE IND LTD

Assignee(s): (std): DANAKLON AS ; SEMFIBER A S ; CEMFIBER AS ; DANAKLON A S VARDE

Assignee(s): SEMFIBER A/S ; DANAKLON A S VARDE DK ; DANAKLON A S ; ANGLO DANISH FIBRE IND ; ANGLO DANISH FIBRE IND LTD ; ANGLO DANISH FIBRE INDUSTRIES ; ANGLO DANISH FIBRE INDUSTRIES LTD ; CEMFIBER A S ; CEMFIBER A S SNEDKERVEJ

Inventor(s): (std): DEREK DEVIS ; HANSEN ANDERS ; HANSEN ANDERS S ; HANSEN ANDERS STAF ; ANDERS STAF KHANSEN ; DAVIES DEREK

Inventor(s): DAVIES DEREK DERBYSHIRE DE6 2GL GB ; DEREK DAVIES ; ANDERS STAF HANSEN ; HANSEN ANDERS STAF DK 6840 OKSBOL DK ; HANSEN STAF ANDERS DK 6840 OKSBOL DK ; DEREK DEHVIS[GB] ; ANDERS STAF KHANSEN[DK]

Agent(s): PHILLIPS ORMONDE FITZPATRICK

Designated states: AT AU BE CH DE DK ES FI FR GB IT JP KR LI LU NL NO SE SU US

2) Family number: 48433153 (US2012196046A)

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Title: SPRAYABLE HYDRAULIC BINDER COMPOSITION AND METHOD OF USE

Abstract: Process for the preparation of a sprayable hydraulic binder composition containing as main components water, aggregates, hydraulic binder, set accelerator, characterized in, that a calcium silicate hydrate (C-S-H) containing component is added before and/or at the spray nozzle.

Classifications:

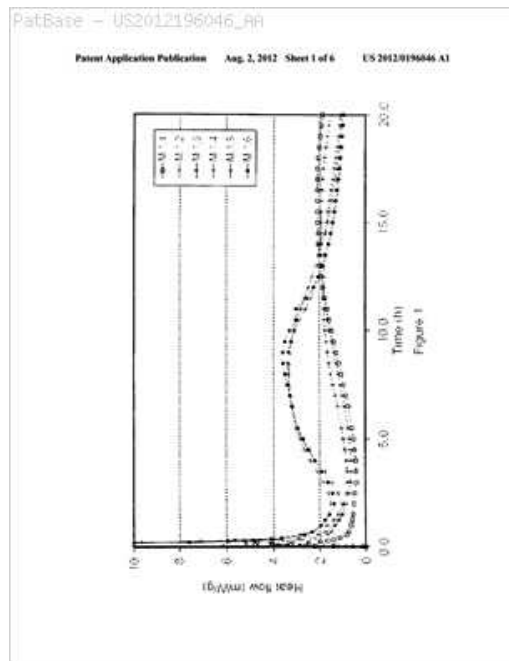
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International (IPC 1-7): C04B28/04

CPC: C04B28/04 C04B22/0086 C04B28/02 C04B28/021 C04B28/08 C04B28/10 C04B28/12 C04B28/14 C04B28/188 C04B41/4543 C04B41/5076 C04B2111/00155 C04B14/043 C04B14/06 C04B14/068 C04B22/064 C04B22/143 C04B24/023 C04B40/0028 C04B2103/12 C04B2103/32

European: C04B28/02 C04B28/02A C04B28/04 C04B28/08 C04B28/10 C04B28/12 C04B28/14 C04B28/18C2 C04B28/22 C04B41/45B16S C04B41/50T M04B111/00M16B

US: 1/1 106/638 106/638S 106/705 106/705S 106/710 106/710S 106/739 106/739S 106/772 106/772S 106/789 106/789S 106/791 106/791S 106/792 106/792S 427/427 427/427P



Family:

Publication number	Publication date	Application number	Application date
AR078261 AA	20111026	AR2010P103228	20100902
AU2010291308 AA	20110310	AU20100291308	20100831
AU2010291308 BB	20140814	AU20100291308	20100831
CA2771256 AA	20110310	CA20102771256	20100831
CA2771256 C	20170228	CA20102771256	20100831
CL2012000258 A1	20120706	CL20120000258	20120131
CN102482153 A	20120530	CN201080039221	20100831
CN105367025 A	20160302	CN201510891588	20100831
CO6491094 A2	20120731	CO20120012765	20120127
EP2473461 A2	20120711	EP20100747228	20100831
HK1166053 A1	20121019	HK20120106689	20120709
IN02810CN2012 A	20130510	IN2012CN02810	20120327
JP2013503805 T2	20130204	JP20120527297T	20100831
JP2015129092 A2	20150716	JP20150079580	20150408
JP6057712 B2	20170111	JP20120527297T	20100831
MX2012002715 A1	20120419	MX20120002715	20100831
MX342648 B	20161006	MX20120002715	20100831
NZ598647 A	20130531	NZ20100598647	20100831
PE14152012 A1	20121117	PE20120000259	20100831
SG178023 A1	20120329	SG20120002184	20100831

TH126466 A	20130822	TH20121000835	20100831
TW201124360 A	20110716	TW20100129714	20100902
US2012196046 AA	20120802	US20100390833	20100831
US9102568 BB	20150811	US20100390833	20100831
WO11026825 A2	20110310	WO2010EP62671	20100831
WO11026825 A3	20110505	WO2010EP62671	20100831
ZA201202295 A	20130626	ZA20120002295	20120329

Priority:

EP20090169299 20090902 CN201080039221 20100831 EP20100747228 20100831
JP20120527297 20100831 JP20120527297T 20100831 WO2010EP62671 20100831
JP20150079580 20150408

Probable Assignee: CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH

Assignee(s): (std): ALFONSO MONTERRAT ; CONSTR RES AND TECH GMBH ; CONSTRUCTION RES AND TECH GMBH ; CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH ; KOLOMIETS ELENA ; NICOLEAU LUC ; RES AND AMP TECHNOLOGY GMBH CONST

Inventor(s): (std): KOLOMIETS ELENA ; DR ALFONSO MONTERRAT ; DR NICOLEAU LUC ; ELENA KOLOMIETS ; NICOLEAU LUC ; MONTERRAT ALFONSO ; LUC NICOLEAU ; KOLOMITS ELENA ; NICOELAU LUC ; ALFONSO MONTERRAT

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; CLARKE MODET; SILVANA MARIA LOPEZ DIAZ; CHINA PATENT AGENT HK LTD; SALVATORE A; JOSEPH G; CURATOLO SIDOTI CO LPA

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 RO RS RU 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

3) Family number: 31985157 (ZW10394A)

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Title: DESIGN OPTIMIZED COMPOSITIONS AND PROCESSES FOR MICROSTRUCTURALLY ENGINEERING CEMENTITIOUS MIXTURES

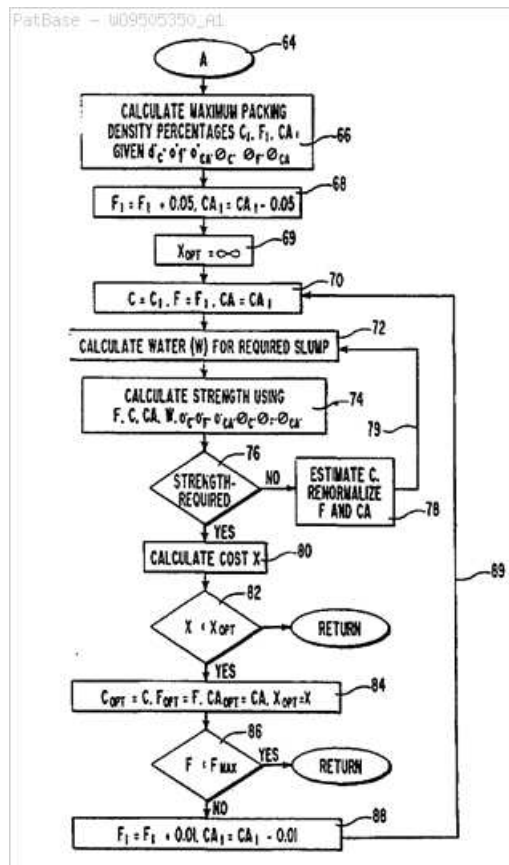
Abstract: A method for manufacturing a design optimized cement mixture comprising the steps of: calculating the maximum packing density for the cement, fine aggregate and coarse aggregate (66); setting the optimal cost mixture (69); calculating the volume of water for a desired slump (72); determining cement mixture strength (74); comparing calculated strength versus desired strength (76); calculating mixture cost (80); comparing it to optimal mixture cost (82); and comparing the volume of fine aggregate with the maximum volume of fine aggregate allowed.

Classifications:

International (IPC 8-9): B05C5/02 B28B1/00 B28B11/24 B28B3/20 B28C5/00 B28C7/02 B29C43/00 B29C43/06 B29C43/08 B29C43/34 B29C43/38 B29C70/50 C04B14/02 C04B22/00 C04B26/28 C04B28/00 C04B28/02 C04B38/00 C04B40/00 C04B40/06 C04B7/36 C04B7/38 C04B7/52 (Advanced/Invention); B05C5/02 B28C5/00 B29C43/00 C04B7/36 (Advanced/Non-invention); B28B1/00 B28B11/00 B28B3/20 B28C5/00 B28C7/00 B29C43/00 B29C43/04 B29C43/34 B29C43/36 B29C70/04 C04B22/00 C04B26/00 C04B28/00 C04B38/00 C04B40/00 C04B7/00 (Core/Invention); B05C5/02 (Core/Non-invention)

International (IPC 1-7): B28C5/00 B28C7/02 C04B14/00 C04B14/02 C04B14/14 C04B28/00 C04B28/02 C04B28/04 C04B7/36 C04B7/38 C04B7/52 C04B22/00 B29C43/00 B29C43/06 B29C43/08 B29C43/34 B29C43/38 B29C70/50 C04B22/00H C04B26/28B C04B38/00B C04B40/00 C04B40/00D1 C04B40/06A2 C04B7/52H L05C5/02E L29C43/00 L29C47/00L5 L29C47/02 L29K105/04 L29K3/00 L29L31/712 L65D565/38Y7

European: B28B1/00 B28B11/24 B28B11/24D B28B3/20 B28C7/02 B29C43/00B B29C43/06 B29C43/08 B29C43/34 B29C43/38 B29C67/22D1 B29C70/50 C04B22/00H C04B26/28B C04B38/00B C04B40/00 C04B40/00D1 C04B40/06A2 C04B7/52H L05C5/02E L29C43/00 L29C47/00L5 L29C47/02 L29K105/04 L29K3/00 L29L31/712 L65D565/38Y7



Family:

Publication number	Publication date	Application number	Application date
AU199476709 A1	19950314	AU19940076709	19940818
AU679784 B2	19970710	AU19940076709	19940818

BRPI9407168 A	19960917	BR1994PI07168	19940818
CA2168643 AA	19960201	CA19942168643	19940818
CN1100395 A	19950322	CN19941009224	19940818
CO4520143 A1	19971015	CO19940036247	19940817
EG20631 A	19991031	EG19940000498	19940815
EP0714383 A1	19960605	EP19940927185	19940818
EP0714383 A4	19980401	EP19940927185	19940818
IL110605 A0	19941111	IL19940110605	19940809
IL110605 A1	19980816	IL19940110605	19940809
JP8511486 T2	19961203	JP19950507179T	19940818
KR19960703821 A	19960831	KR19960700674	19960209
NZ273435 A	19971024	NZ19940273435	19940818
RU2135427 C1	19990827	RU19960105708	19940818
RU96105708 A	19980627	RU19960105708	19960318
WO9505350 A1	19950223	WO1994US09328	19940818
ZA9405497 A	19950607	ZA19940005497	19940728
ZW10394 A	19940928	ZW19940000103	19940809

Priority:

US19930109100 19930810 US19930109100 19930818 WO1994US09328 19940818

Probable Assignee: E

Assignee(s): (std): KHASHOGGI E IND

Assignee(s): EHKHASHOGGI INDASTRIZ ; EH KHASHOGGI INDASTRIZ ; HODSON SIMON K ; ANDERSEN PER JUST ; E ; E KHASHOGGI IND ; E KHASHOGGI IND LLC ; E KHASHOGGI INDUSTRIES ; E KHASHOGGI INDUSTRIES LLC

Inventor(s): (std): HODSON SIMON ; HODSON SIMON KNIGHT ; HODSON SIMON K ; ANDERSEN PER JUST

Inventor(s): KHODSON SAJMON K. ; JUST ANDERSEN PER ; ANDERSEN PER.JUST ; ANDERSON PER JUST ; KNIGHT HODSON SIMON ; PER JUST ANDERSEN PH D ; PER JUST ANDERSON ; SIMON K HODSON ; SIMON KNIGHT HODSON ; PER JUST ANDERSEN

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; CASSAN MACLEAN; MARCELA CASTILLO TORRES; WOLFF BREGMAN AND GOLLER

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LI LK LT LU LV MC MD MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SI SK SN TD TG TJ TT UA UZ VN

4) Family number: 55482157 (US2015105492A)

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Title: EPOXY RESIN BLEND DISPERSION AND A PROCESS FOR PREPARING THE DISPERSION

Abstract: The present invention relates to an aqueous epoxy resin blend dispersion of a high mw epoxy resin and a liquid epoxy resin with a dispersant having an interfacial tension such that a drop of the mixture of the dispersant in a melt of the epoxy resin blend against water is less than 2 dynes/cm, preferably less than 1 dyne/cm, and a process for preparing this epoxy resin blend dispersion. Specifically, the process is a solvent free melt kneading or shearing dispersion process wherein the dispersion is processed at from 50 to 150 degrees centigrade, and the resulting dispersion is stable.

Classifications:

International (IPC 8-9): C04B24/28 C04B26/14 C04B28/02 C04B40/00 C08J3/03 C08J3/05 C08K5/41 C08L63/00 C09D163/00 C09D5/02 C09D7/02 C09D7/12 (Advanced/Invention); B32B27/38 C04B111/00 C04B111/20 C04B111/27 (Advanced/Non-invention)

CPC: C08J3/05 C08K5/41 C04B24/281 C08J2363/02 C09D163/00 C04B26/14 C04B28/02 C04B40/0039 C04B2111/00482 C04B2111/20 C04B2111/27 C08J3/03 C08J2363/00 C08J2463/00 C08L63/00 C09D5/027 C04B14/06 C04B14/106 C04B2103/408 C04B2103/50 C04B24/32 C09D7/45 C09D7/63

US: 1/1 523/401 523/404

Family:

Publication number	Publication date	Application number	Application date
BR112014032644 A2	20170627	BR20141132644	20130624
CN104755535 A	20150701	CN201380034928	20130624
CN104755535 B	20170308	CN201380034928	20130624
DE602013036469 D1	20180524	DE201360036469T	20130624
EP2867277 A2	20150506	EP20130737025	20130624
EP2867277 B1	20180425	EP20130737025	20130624
JP2015524490 T2	20150824	JP20150520354T	20130624
JP6352256 B2	20180704	JP20150520354T	20130624
TR201810220 T4	20180827	TR20180010220T	20130624
US2015105492 AA	20150416	US20130408106	20130624
US9346925 BB	20160524	US20130408106	20130624
WO14004358 A2	20140103	WO2013US47275	20130624
WO14004358 A3	20141009	WO2013US47275	20130624

Priority:

US20120666008P 20120629 EP20130737025 20130624 WO2013US47275 20130624
US20130408106 20130624

Probable Assignee: DOW GLOBAL TECHNOLOGIES

Assignee(s): (std): DOW GLOBAL TECH LLC ; DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): DOW GLOBAL TECHNOLOGIES LLC MIDLAND ; DOW GLOBAL TECHNOLOGIES

Inventor(s): (std): CHEN LIANG ; HONG LIANG ; LIANG CHEN ; LIANG HONG

Inventor(s): HONG LIANG MIDLAND ; CHEN LIANG MIDLAND

Agent(s): MURGITROYD AND CO; HOUGHTON MARK PHILLIP; SENDA PATENT BUREAU; ZEHRA YILDIRIM; ANDREW EC; MERRIAM ANDREW

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN 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 PA 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

5) Family number: 2268218 (US4964917A) © PatBase

Title: METHODS AND COMPOSITIONS FOR RECLAIMING CONCRETE

Abstract: A method of reclaiming leftover ready-mix concrete comprising the steps of: (1) retarding the hydration of the unused portion of concrete returned from a job site; and (2) after the desired retarded period adding a hydration acceleration agent to restore the concrete to a settable state.

Classifications:

International (ipc 8-9): B28C5/00 B28C7/04 C04B18/16 C04B22/08 C04B24/00 C04B24/04 C04B24/06 C04B24/18 C04B24/22 C04B24/26 C04B24/40 C04B28/02 C04B40/02 C04B40/06 (Advanced/Invention); C04B24/00 C04B40/02 (Advanced/Non-invention); B28C5/00 B28C7/00 C04B18/04 C04B22/00 C04B24/00 C04B28/00 C04B40/00 C04B40/02 (Core/Invention)

International (ipc 1-7): B28C5/00 B28C7/04 C04B16/00 C04B18/00 C04B18/16 C04B22/08 C04B22/14 C04B24/00 C04B24/02 C04B24/04 C04B24/06 C04B24/10 C04B24/12 C04B24/16 C04B24/18 C04B24/22 C04B24/24 C04B24/26 C04B24/28 C04B24/38 C04B24/40 C04B24/42 C04B28/02 C04B40/00 C04B40/02 C04B40/06 C07F9/38

CPC: Y02W30/95 C04B24/003 C04B40/0658 C04B2103/10 C04B2103/20 C04B28/02 C04B18/16 C04B2103/12 C04B2103/22

European: C04B18/16 C04B24/00D C04B28/02 C04B40/06K M04B103/10 M04B103/12 M04B103/20 M04B103/22

US: 106/708 106/724 106/725 106/727 106/728 106/729 106/802 106/804 106/806 106/808 106/809 106/810 106/819 106/823

Family:

Publication number	Publication date	Application number	Application date
■ AT212187 A	19910415	AT19870002121	19870825
■ AT393501 B	19911111	AT19870002121	19870825
■ AU198777347 A1	19880303	AU19870077347	19870824
■ AU199178017 A1	19910829	AU19910078017	19910530
■ AU591327 B2	19891130	AU19870077347	19870824
■ AU624316 B2	19920604	AU19910078017	19910530
■ AU624316 B3	19920408	AU19910078017	19910530
■ BE1002417 AE	19910205	BE19870000940	19870824
■ BRPI8704384 A	19890314	BR1987PI04384	19870826
■ CA1315960 A1	19930413	CA19870545153	19870824
■ CH677788 A	19910628	CH19870003231	19870824
■ CN1023998 C	19940316	CN19871005879	19870825
■ CN87105879 A	19880316	CN19871005879	19870825
■ DE3727907 A1	19880303	DE19873727907	19870821
■ DE3727907 C2	19961107	DE19873727907	19870821
■ ES2007402 AF	19890616	ES19870002476	19870826
■ FR2603275 A1	19880304	FR19870011878	19870824
■ FR2603275 B1	19911122	FR19870011878	19870824
■ GB2194528 A1	19880309	GB19870019953	19870824
■ GB2194528 B2	19900725	GB19870019953	19870824
■ GB8719953 A0	19870930	GB19870019953	19870824
■ HK86493 A	19930827	HK19930000864	19930819
■ IN171835 A	19930123	IN1988MA00596	19880823
■ IT1211682 A	19891103	IT19870048236	19870728
■ IT8748236 A0	19870728	IT19870048236	19870728
■ JP2015519 B4	19900412	JP19870209413	19870825
■ JP2124288 C3	19961220	JP19870209413	19870825
■ JP2694883 B2	19971224	JP19910233084	19910912
■ JP5017266 A2	19930126	JP19910233084	19910912
■ JP63060184 A2	19880316	JP19870209413	19870825
■ KR19880002771 A	19880511	KR19870009236	19870824
■ KR930006338 B1	19930714	KR19870009236	19870824
■ PH24105 A	19900305	PH19870035727	19870825
■ SG9390347 A	19930611	SG19930090347	19930329
■ US4964917 A	19901023	US19900494876	19900308
■ US5427617 A	19950627	US19930110463	19930823

Priority:

US19860900489 19860826	US19870088180 19870821	GB19870019953 19870824
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US19900572512 19900824	US19910790949 19911112	US19920936694 19920827
US19930006017 19930115	US19930110463 19930823	

Probable Assignee: CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH

Assignee(s): (std): SANDOZ AG ; SANDOZ LTD ; BOBROWSKI GEGORY S ; SANDOZ SA

Assignee(s): SANDOZ PATENT GMBH ; SANDOZ PATENT GMBH 79539 LOERRACH DE ; BOBROWSKI GREGORY S ; CONSTRUCTION RESEARCH AND TECHNOLOGY GMBH ; GUECIA GREGORY C JOHNNY ; KINNEY FREDERICK D ; SANDOZ ERFINDEUNGEN VERWALTUNGSGESELLSCHAFT M B H ; S A SANDOZ ; SANDOZ A G ; SANDOZ AKTIENGESSELLSCHAFT ; LUPYAN DAVID A ; MBT HOLDING AG ; NOVARTIS AG ; SANDOZ ERFINDEUNGEN

VERWALTUNGSGESELLSCHAFT MBH

Inventor(s): (std): BOBROWSKI GREGORY S ; BOBROWSKI GREGORY STANLEY ; BOBROWSKI GREGORYS ; KINNEY FEDERICK D ; KINNEY FREDERICK ; KINNEY FREDERICK D ; KINNEY FREDERIK D ; LUPYAN DAVID A ; GUECIA GREGORY C J ; RYAN ROBERT JOSEPH ; GREGORY S BOBROWSKI ; GREGORY C J GUECIA ; FUREDORITSUKU DEII KINNEI ; FREDERICK D KINNEY ; DEIBITSUTO EE RUPUYAN ; DAVID L LUPYAN ; GUREGORII SHII JIEE GUESHIA ; GUREGORII ESU BOBUBOUSUKI

Inventor(s): GUREGORII ESU BOBUBOUSUKI ; GUREGORII SHII JEE GUESHIA ; D KINNEY FREDERICK ; C J GUECIA GREGORY ; A LUPYAN DAVID ; S BOBROWSKI GREGORY ; GUECIA GREGORY C JOHNNY ; GUECIA GREGORY CJ ; ROBERT JOSEPH RYAN ; CJ GUECIA GREGORY ; DAVID A LUPYAN ; FREDERIK D KINNEY ; GREGORY CJ GUECIA ; GREGORY STANLEY BOBROWSKI ; GREGORYS BOBROWSKI

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GRIFFITH HACK; KIRBY EADES GALE BAKER

6) Family number: 42155221 (US2008227891A)

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Title: METHODS FOR MAKING CONCRETE COMPOSITIONS

Abstract: A method of making a cementitious composition that includes combining cement, water and optionally aggregates and optionally additives to form an aqueous cement slurry; adding expanded polymer particles to the aqueous cement slurry; and forming a dispersion of expanded polymer particles in the aqueous cement slurry. The expanded polymer particles have an average particle diameter of from 200 μm to 5,000 μm , a bulk density of from 0.02 g/cc to 0.64 g/cc, and an aspect ratio of from 1 to 3.

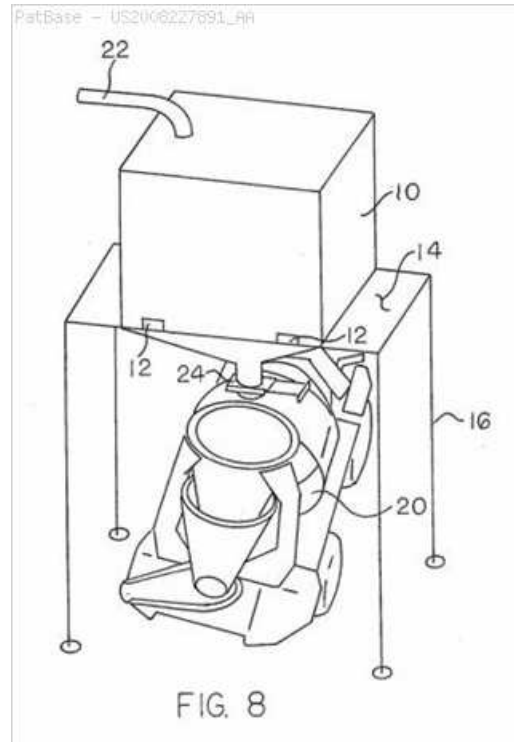
Classifications:

International (IPC 8-9): C04B16/08 C04B7/00 (Advanced/Invention); C04B16/00 C04B7/00 (Core/Invention)

CPC: Y02W30/94 C04B16/082 B28C5/003 B28C7/0418 B28C7/0422 C04B28/02

European: B28C5/00B B28C7/04B4 B28C7/04C C04B16/08A C04B28/02

US: 524/5 524/8



Family:

Publication number	Publication date	Application number	Application date
CA2679699 AA	20080918	CA20082679699	20080310
US2008227891 AA	20080918	US20080044360	20080307
WO08112616 A1	20080918	WO2008US56372	20080310

Priority:

US20070906964P 20070314 US20080044360 20080307 WO2008US56372 20080310

Probable Assignee: NOVA CHEMICALS INC

Assignee(s): (std): JARVIE SHAWN P ; KELLEY MICHAEL R ; LADELY TRICIA GUEVARA ; MADISH JOHN K ; NOVA CHEM INC ; WILLIAMS MICHAEL T

Assignee(s): NOVA CHEMICALS INC

Inventor(s): (std): JARVIE SHAWN P ; KELLEY MICHAEL R ; LADELY TRICIA GUEVARA ; MADISH JOHN K ; WILLIAMS MICHAEL T

Agent(s): GARY F MATZ NOVA CHEMICALS INC; MATZ GARY F

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 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 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 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

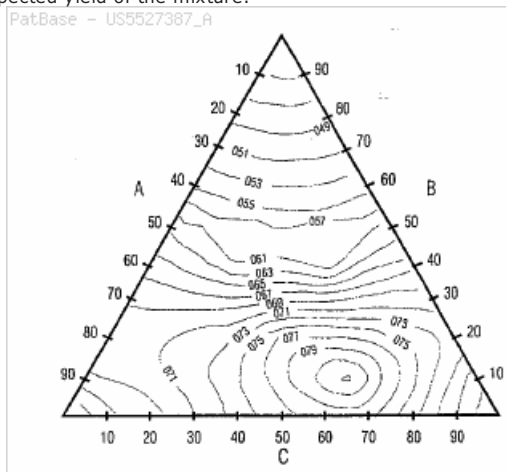
7) Family number: 31985244 (US5527387A)

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Abstract: A design optimization process used to determine the proportions of sand, cement, coarse aggregate, water, fly ash, water reducers, air entraining agents and fillers needed to produce a concrete mixture that has desired strength and slump properties and a minimal cost. The optimization process comprises a combination of models that accurately reflect the properties of a concrete mixture based on the properties of its individual components. The process is further capable of optimizing the durability of the cementitious mixture and of accurately calculating the expected yield of the mixture.

Classifications:

International (IPC 8-9): B01F3/12 B28B1/00 B28B1/52 B28B11/00 B28B11/24 B28B13/02 B28B13/06 B28B23/00 B28B3/00 B28B3/02 B28B3/12 B28B3/20 B28B3/26 B28B7/42 B28C7/02 B29C43/00 B29C43/02 B29C43/06 B29C43/08 B29C43/22 B29C43/24 B29C43/34 B29C43/36 B29C43/38 B29C45/00 B29C49/00 B29C51/00 B29C51/04 B29C51/10 B29C53/06 B29C55/18 B29C67/24 B29C70/50 B32B13/02 B32B27/04 B32B27/20 B32B37/14 B32B5/02 B65D43/16 B65D5/00 B65D65/38 B65D65/46 C04B14/06 C04B16/02 C04B20/00 C04B22/00 C04B24/00 C04B24/14 C04B24/38 C04B26/00 C04B26/02 C04B26/28 C04B28/00 C04B28/02 C04B38/00 C04B40/00 C04B40/06 C04B41/45 C04B41/61 C04B7/36 C04B7/52 C08L1/28 C08L3/00 C08L3/02 C08L5/02 C08L5/12 C08L5/14 C08L89/06 C08L97/02 E05D1/02 (Advanced/Invention); B05B11/00 B05C1/08 B05C3/18 B05C5/02 B29C49/04 B29C49/06 B29C51/08 B29C53/58 (Advanced/Non-invention); B01F3/12 B28B1/00 B28B1/52 B28B11/00 B28B13/00 B28B23/00 B28B3/00 B28B3/02 B28B3/20 B28B7/42 B28C7/00 B29C43/00 B29C43/02 B29C43/04 B29C43/22 B29C43/24 B29C43/34 B29C43/36 B29C45/00 B29C49/00 B29C51/00 B29C51/10 B29C53/00 B29C55/18 B29C67/24 B29C70/04 B32B13/00 B32B27/04 B32B27/20 B32B37/14 B32B5/02 B65D43/16 B65D5/00 B65D65/38 B65D65/46 C04B14/02 C04B16/00 C04B20/00 C04B22/00 C04B24/00 C04B26/00 C04B28/00 C04B38/00 C04B40/00 C04B41/45 C04B41/60 C04B7/00 C08L1/00 C08L3/00 C08L5/00 C08L89/00 C08L97/00 E05D1/00 (Core/Invention); B05B11/00 B05C1/08 B05C3/00 B05C5/02 B29C49/04 B29C49/06 B29C51/08 (Core/Non-invention)



International (IPC 1-7): C04B7/36 C04B7/38

CPC: Y10S264/43 C04B41/61 B01F3/1214 B01F2003/125 B28B1/00 B28B1/52 B28B3/00 B28B3/02 B28B3/126 B28B3/20 B28B3/2645 B28B7/42 B28B11/00 B28B11/003 B28B11/008 B28B11/24 B28B11/245 B28B13/021 B28B13/06 B28B23/0081 B28B23/0087 B28C7/02 B29C43/00 B29C43/003 B29C45/0013 B29C49/0005 B29C49/0047 B29C49/04 B29C49/06 B29C51/002 B29C51/04 B29C51/08 B29C51/082 B29C51/10 B29C53/063 B29C53/58 B29C55/18 B29C67/242 B29C70/50 B29C2049/4608 B29C2791/006 B29C2795/007 B29K2001/00 B29K2003/00 B29K2005/00 B29K2089/00 B29K2105/04 B32B5/02 B32B13/02 B32B27/04 B32B27/20 B32B37/144 C04B7/527 C04B14/064 C04B16/02 C04B20/002 C04B20/0048 C04B22/002 C04B22/04 C04B24/00 C04B24/14 C04B24/38 C04B26/00 C04B26/02 C04B26/026 C04B26/28 C04B26/285 C04B28/00 C04B28/02 C04B38/0006 C04B40/00 C04B40/0032 C04B40/006 C04B40/0616 C04B41/45 C08L1/28 C08L3/00 C08L3/02 C08L5/02 C08L5/12 C08L5/14 C08L89/06 C08L97/02 E05D1/02 E05Y2900/602 Y02W30/92 Y02W30/94 B29C44/3402 B29C48/0012 B29C48/03 B29C48/15

European: B01F3/12B2 B28B1/00 B28B1/52 B28B11/00 B28B11/00E B28B11/00E3 B28B11/24 B28B11/24D B28B13/02C B28B13/06 B28B23/00Z B28B23/00Z1 B28B3/00 B28B3/02 B28B3/12C B28B3/20 B28B3/26E B28B7/42 B28C7/02 B29C43/00B B29C43/02 B29C43/06 B29C43/08 B29C43/22 B29C43/22B B29C43/24 B29C43/34 B29C43/36 B29C43/38 B29C45/00E B29C49/00B B29C51/00B B29C51/04 B29C51/10 B29C53/06B B29C55/18 B29C67/22D1 B29C67/24C B29C70/50 B32B13/02 B32B27/04 B32B27/20 B32B31/00J B32B37/14B B32B5/02 B65D11/02 B65D43/16B B65D5/00 B65D65/38 B65D65/46C C04B14/06G C04B16/02 C04B20/00D2 C04B20/00F C04B22/00H C04B22/04 C04B24/00 C04B24/14 C04B24/38 C04B26/00 C04B26/02 C04B26/02B C04B26/28 C04B26/28B C04B28/00 C04B28/02 C04B38/00B C04B40/00 C04B40/00D1 C04B40/00D7 C04B40/06A2 C04B41/45 C04B41/61 C04B7/52H C08L1/28 C08L3/00 C08L3/02 C08L5/02 C08L5/12 C08L5/14 C08L89/06 C08L97/02 E05D1/02 L01F3/12G L29C43/00 L29C47/00L5 L29C47/02 L29C49/00F L29C49/04 L29C49/06 L29C49/46B1A L29C51/04 L29C51/08 L29C51/08B L29C51/10 L29C53/58 L29C791/00E4 L29C795/00D L29K1/00 L29K105/04 L29K3/00 L29K5/00 L29K89/00 L65D301/20 L65D565/38Y7 P05D1/02 P05Y900/602

US: 106/693 106/713 106/739 106/743 106/772 264/DIG.43 700/266 703/12

Family:

Publication number	Publication date	Application number	Application date
US5527387 A	19960618	US19950379883	19950126

Priority:

US19920929898 19920811 US19930019151 19930217 US19930095662 19930721
US19930109100 19930818 US19950379883 19950126

Probable Assignee: ICRETE LLC

Assignee(s): (std): KHASHOGGI E IND

Assignee(s): DESIGN OPTIMIZED CONCRETE LLC ; E KHASHOGGI IND ; E KHASHOGGI IND LLC ; E KHASHOGGI INDUSTRIES ; ICRETE LLC

Inventor(s): (std): ANDERSEN PER JUST ; HODSON SIMON K

Inventor(s): ANDERSEN PER J

8) Family number: 67242285 (WO17177324A1)

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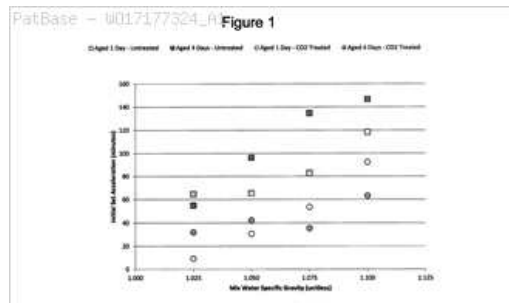
Title: METHODS AND COMPOSITIONS FOR TREATMENT OF CONCRETE WASH WATER

Abstract: The invention provides methods and compositions for treating wash water from concrete production with carbon dioxide. The treated wash water can be reused as mix water in fresh batches of concrete.

Classifications:

International (IPC 8-9): B28C5/00 B28C5/42 B28C7/02 C04B40/02 (Advanced/Invention)

CPC: B28C5/00 B28C5/42 B28C7/02 C04B40/02 C04B22/0046 C04B40/029 B28C5/003 B28C7/024 B28C7/12 C02F1/5209 C02F1/5236 C02F1/66 C02F2103/12



Family:

Publication number	Publication date	Application number	Application date
AU2017249444 AA	20181122	AU20170249444	20170411
CA3019860 AA	20181003	CA20173019860	20170411
EP3442761 A1	20190220	EP20170781677	20170411
IN201817042016 A	20181214	IN201817042016	20181106
SG11201810010P A1	20181228	SG20181110010	20170411
WO17177324 A1	20171019	WO2017CA50445	20170411

Priority:

US20160321013P 20160411 WO2017CA50445 20170411

Probable Assignee: CARBONCURE TECH INC

Assignee(s): (std): CARBONCURE TECH INC

Assignee(s): CARBONCURE TECHNOLOGIES INC ; FORGERON DEAN PAUL ; MACDONALD MARK ; MONKMAN GEORGE SEAN ; CAIL KEVIN

Inventor(s): (std): MONKMAN GEORGE SEAN ; MACDONALD MARK ; FORGERON DEAN PAUL ; CAIL KEVIN

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; J A KEMP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ 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 IR IS IT JP KE KG KH KM KN KP KR KW 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VJ VN ZA ZM ZW

9) Family number: 33287297 (US2006191232A)

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Title: COMPOSITE PRE-FORMED BUILDING PANELS

Abstract: A composite building panel including a central body, substantially parallelepipedic in shape, comprised of an expanded polymer matrix, having opposite faces, a first surface and an opposing second surface; and one or more reinforcing members longitudinally extending across the central body between said opposite faces, having a first side portion embedded in the expanded polymer matrix, and a second side portion extending away from the first surface of the central body and one or more expansion holes located in the reinforcing member between the first side portion of the reinforcing member and the first surface of the central body. The central body includes a polymer matrix that expands through the expansion holes; and a space defined by the first surface of the central body and the second side portion of the reinforcing members is adapted for accommodating utilities through the space.

Classifications:

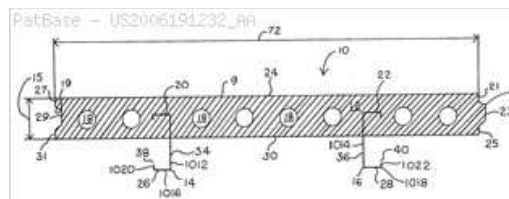
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C04B11/40 C04B14/02 C04B14/08 C04B14/10 C04B14/12 C04B14/16 C04B14/18 C04B14/20 C04B14/22 C04B14/38 C04B14/42 C04B16/06 C04B18/04 C04B18/08 C04B18/10 C04B18/14 C04B18/16 C04B24/26 (Advanced/Non-invention); B28B13/00 B28B23/02 B28C5/00 B32B15/01 B32B15/20 B32B3/00 B32B3/12 B32B3/26 B32B5/14 B32B5/16 B32B7/12 C04B11/00 C04B12/00 C04B14/00 C04B14/02 C04B14/08 C04B14/10 C04B14/12 C04B14/16 C04B14/18 C04B14/20 C04B14/22 C04B14/38 C04B14/42 C04B16/06 C04B18/04 C04B18/08 C04B18/10 C04B18/14 C04B18/16 C04B24/26 (Advanced/Non-invention); C04B28/00 C04B28/04 C04B28/06 C04B28/08 C04B38/00 C04B38/08 C04B40/00 C04B7/00 C04B9/00 C08J9/00 C08K3/00 E01C3/00 E04B5/17 E04C1/00 E04C2/10 E04C2/26 E04C2/34 E04C2/52 E04C5/00 (Core/Invention); C04B14/02 C04B14/38 C04B18/04 C04B24/00 (Core/Non-invention); C04B E04B E04C (Subclass/Invention)

International (IPC 1-7): C04B16/08 C04B20/00 C04B28/02 C04B38/00 C04B38/08 C08J E04B5/19 E04C1/00

CPC: E04B1/24 E04B2/8617 E04B5/026 E04B5/10 E04B5/48 E04B2001/2439 E04B2001/2448 E04B2001/2469 E04B2001/2481 E04B2001/2484 E04B2002/867 Y10S264/43 E04C2/38 E04C2/34 E04B5/19 E04C2/22 C04B2103/67 Y10T428/24331 Y10T428/25 Y10T428/233 Y10T428/269 B32B13/00 B32B3/06 B32B3/26 B32B3/263 B32B3/266 B32B15/08 B32B15/10 B32B15/18 B32B15/20 B32B21/08 B32B27/08 B32B27/302 B32B27/308 B32B27/32 B32B27/365 B32B27/42 B32B2307/3065 B32B2307/546 B32B2307/558 B32B2307/71 B32B2419/04 B32B2607/00 E04B5/06 Y10T428/24008 Y10T442/665 C04B28/14 C04B2111/00612 C04B2111/10 C04B2111/30 E04B5/04 E04B5/043 E04C2/044 E04C2002/045 Y02W30/92 Y02W30/94 C04B16/08 C04B28/00 C04B28/02 C04B38/009 C04B38/08 C04B2103/69 C04B2111/0075 C04B2201/20 C04B2103/302 C04B2111/00586 C04B2111/60 C04B20/10 Y10T428/249972 Y10T428/249968 Y10T428/24996 C04B16/082 C04B28/04 C04B2111/40

European: B32B13/00 B32B15/08 B32B15/10 B32B15/18 B32B15/20 B32B15/28 B32B15/30 B32B15/32 B32B15/36 B32B15/42 B32B3/06 B32B3/26 B32B3/26A B32B3/26B C04B16/08 C04B16/08A C04B20/10 C04B28/00 C04B28/02 C04B28/04 C04B28/14 C04B38/00P C04B38/08 E04B1/24 E04B5/02P E04B5/04 E04B5/04H E04B5/06 E04B5/10



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414/812 414/812P 428/138 428/309.9 428/309.900S 428/312.4 428/312.400P 428/313.5 428/313.500S 428/323 428/323S
428/339 428/339S 428/703 428/71 428/71P 428/99 428/99P 442/386 52/220.1 52/220.100P 52/223.1 52/223.14 52/309.1
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52/481.1 52/481.100S 52/588.1 52/588.100S 52/606 52/606P 52/741.1 52/741.100S 52/800.1 52/800.100P 52/155 52/156
521/56P 521/56S 521/59 521/59P 524/2 524/2P 524/2S 524/3 524/3S 524/4 524/4S 524/5 524/5S 524/8 524/8S 585/639P

Family:

Publication number	Publication date	Application number	Application date
AR059997 AA	20080514	AR2007P101141	20070321
AR066381 AA	20090812	AR2008P101853	20080430
AT515485 E	20110715	AT20060739422T	20060322
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CA2598315 AA	20070816	CA20062598315	20060224
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