

1) Family number: 1680084 (DE2755021A1)

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Title: PLASTICS REINFORCED CEMENT PIPE MANUFACTURE - BY WINDING REINFORCING FILAMENTS INTO THE WALL UNDER ZERO TENSION

Abstract: A reinforced cement pipe is made by forming a wet fibrocement sheet and winding it upon a pipe forming mandrel. A continuous reinforcement of an aromatic polyamide (such as KEVLAR RTM) is also wound onto the mandrel at zero tension without stretching and remains embedded in the fibro-cement. Several layers of fibro-cement and several polyamide layers, perhaps of opposite hand, may be applied. A pipe having a higher bursting strength than with tensioned reinforcement is formed. The pipe is useful in piping water.

Classifications:

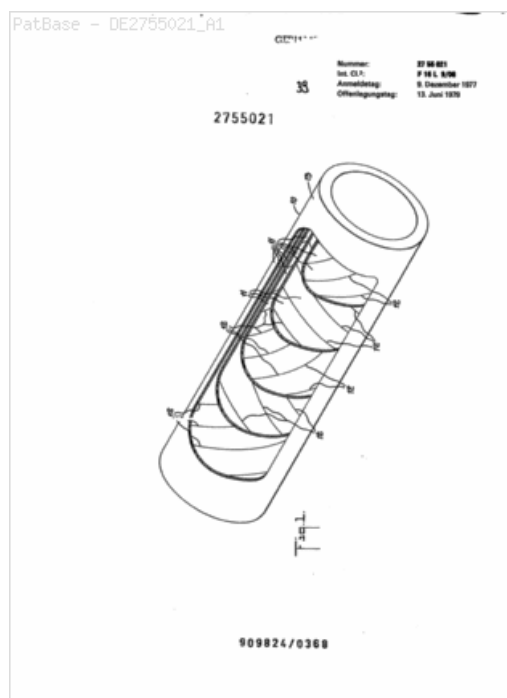
International (IPC 8-9): B28B1/52 B28B21/48 B28B23/00 F16L9/08 (Advanced/Invention);

B28B1/52 B28B21/00 B28B23/00 F16L9/00 (Core/Invention)

International (IPC 1-7): B28B1/52 B28B21/48 B28B23/02 F16L9/08

CPC: B28B1/527 B28B21/48 B28B23/0006 F16L9/08

European: B28B1/52G B28B21/48 B28B23/00A F16L9/08



Family:

Publication number	Publication date	Application number	Application date
DE2755021 A1	19790613	DE19772755021	19771209

Priority:

DE19772755021 19771209

Probable Assignee: CEMENT ASBESTOS PRODUCTS CO

Assignee(s): (std): CEMENT ASBESTOS PRODUCTS CO

Inventor(s): (std): WRIGHT JAMES

2) Family number: 68497106 (US2018036912A)

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Title: CONTINUOUS METHODS OF MAKING FIBER REINFORCED CONCRETE PANELS

Abstract: Continuous method including:

- mixing water and cementitious powder to form slurry;
- mixing the slurry and reinforcement fibers in a single pass horizontal continuous mixer to form fiber-slurry mixture,
- the mixer including
 - an elongated mixing chamber having a reinforcement fiber inlet port, and
- upstream of the fiber inlet port is an inlet port to introduce water and cementitious powder together as one stream or at least two inlet ports to introduce water and dry cementitious powder separately as separate streams into the chamber,
- a rotating horizontal shaft/s within the chamber,
- part of the chamber for mixing the fibers and slurry and moving the fiber-slurry mixture to a mixture outlet;
- discharging the fiber-slurry mixture from the mixer outlet;
- forming and setting the fiber-slurry mixture on a moving surface;
- cutting the set mixture into fiber reinforced concrete panels and removing the panels from the moving surface.

Classifications:

International (IPC 8-9): B01F3/12 B01F7/00 B01F7/04 B01F7/08 B28B1/52 B28B13/02 B28B3/22 B28B5/02 B28C5/12 B28C5/14 B28C5/40 B28C7/04 B29B7/48 B29C47/64

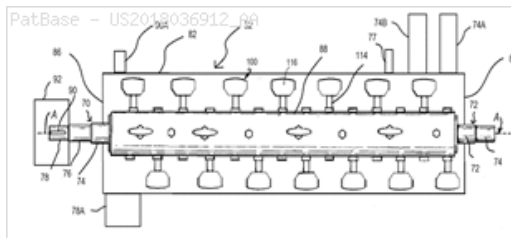
B29C48/67 (Advanced/Invention)

International (IPC 1-7): B01F3/12 B01F7/00 B01F7/04 B01F7/08

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B29B7/48 B29C47/64

CPC: B01F3/1221 B01F7/0065 B01F7/00708 B01F7/042 B01F7/085 B01F2015/0221 B28B1/526 B28B3/224 B28B5/027 B28C5/1238 B28C5/1246 B28C5/143 B28C5/146 B28C5/148 B28C5/402 B29B7/44 B29B7/483 B29B7/488 B29B7/72 B29B7/90 B29B7/482 B29C48/67 B28B1/522 B28B13/0275 B28C5/1284 B28C7/0418 B01F3/2042 B01F7/048 B05C1/0834
US: 1/1 414/683



Family:

Publication number	Publication date	Application number	Application date
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CL2019000280 A1	20190422	CL20190000280	20190201
CN109562528 A	20190402	CN201780047253	20170804
CO20190001768 A2	20190308	CO20190001768	20190226
EP3493958 A1	20190612	EP20170758316	20170804
ID201906423 A	20190830	ID2019PID01607	20170804
IN201917007518 A	20190517	IN201917007518	20190226
JP2019527638 T2	20191003	JP20190504886T	20170804
KR20190039150 A	20190410	KR20197004801	20170804
MX2019001256 A1	20190520	MX20190001256	20170804
PE20190220 A1	20190213	PE20190000284	20170804
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WO18027100 A1	20180208	WO2017US45433	20170804

Priority:

US20160371554P 20160805 US20170663007 20170728 WO2017US45433 20170804

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): UNITED STATES GYPSUM CO ; UNITED STATES GYPSUM CO PAT

Assignee(s): DUBEY ASHISH ; GROZA PETER B ; NELSON CHRISTOPHER R

Inventor(s): (std): CHRISTOPHER R NELSON ; PETER B GROZA ; ASHISH DUBEY ; DUBEY ASHISH ; GROZA PETER B ; NELSON CHRISTOPHER R

Agent(s): MADDERNS PTY LTD; JAMES AND WELLS INTELLECTUAL PROPERTY; GOWLING WLG CANADA LLP; ALESSANDRI AND COMPANIA LIMITADA; FINDLAY ALICE ROSEMARY; MAULITTA PRAMULASARI; VENTURINO ANTHONY ET AL

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 JO 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 TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 29390326 (US4655982A)

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Title: METHOD FOR THE CONTINUOUS PRODUCTION OF PLATES OF FIBRE REINFORCED CONCRETE

Abstract: A method for the continuous production of plates and/or shaped bodies of fibre reinforced hydraulic setting masses is described in which the mass is provided in a predetermined thickness over the entire width of the plate to be produced, on a substrate continuously moved by a belt. Fibre cuttings from a cutting device are dispersed in a desired distribution onto the surface of the mass moving with the substrate and these are subsequently incorporated into the mass by a tool acting uniformly over the entire width of the mass. The raw plate can be further processed in its still deformable condition and brought into a desired final shape.

Classifications:

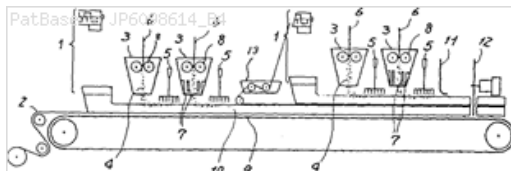
International (IPC 8-9): B28B1/52 B28B11/04 B28B19/00 B28B3/00 B28B3/02 B28B5/00 (Advanced/Invention); B28B11/04 B28B3/00 B28B3/02 B28B5/00 (Advanced/Non-invention); B28B1/52 B28B11/04 B28B19/00 B28B3/00 B28B3/02 B28B5/00 (Core/Invention)

International (IPC 1-7): B28B1/10 B28B1/52 B28B11/0 B28B11/00 B28B11/00 B28B11/04 B28B23/18 B28B3/00 B28B3/20 B28B5/00 B28B5/02 B28B5/02 B28B5/2 B32B13/02 E04C2/26

CPC: B28B1/52 B28B19/0092

European: B28B1/52 B28B19/00K

US: 264/131 264/136 264/166 264/171 264/171.13 264/172.19 264/256 264/257 264/333 264/70 425/115



Family:

Publication number	Publication date	Application number	Application date
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Priority:

DE19843431143 19840824 DE19843448348 19840824 CA19850487982 19850801
DE19853577821 19850806 EP19850109855 19850806

Probable Assignee: MATERIAUX DE CONSTRUCTION INT

Assignee(s): (std): HEIDELBERGER ZEMENT A G ; HEIDELBERGER ZEMENT AG

Assignee(s): HEIDELBERGER ZEMENT AG 6900 HEIDELBERG DE ; MATERIAUX DE CONSTRUCTION INT ; STEINEGGER HELMUT ; PACHOW ULRICH ; PFEIFER MANFRED ; MEYER ADOLF ; HAIDERUBERUGAA TSUEMENTO AG ; HEIDELBERGER ZEMENT 6900 HEIDELBERG DE AG

Inventor(s): (std): MANFRED PFEIFER ; HELMUT STEINEGGER ; ULRICH PACHOW ; ADORUFU MAIYAA ; PACHOW ULRICH ; STEINEGGER HELMUT DIPL GEOL DR RER NAT ; STEINEGGER HELMUT DIPL GEOL DR ; PFEIFER MANFRED ; PACHOW ULRICH DR ING ; STEINEGGER HELMUT ; MEYER ADOLF PROF DR ING ; ADOLF MEYER ; MEYER ADOLF ; STEINEGGER DIPL GEOL DR RER NA

Inventor(s): STEINEGGER HELMUT DIPL GEOL DRRERNAT ; PFEIFER MANFRED 6921 ZUZENHAUSEN DE ; STEINEGGER HELMUT DIPL GEOL DR RER NAT ; STEINEGGER HELMUT DIPL GEOL DR ING 8201 NEUBEUERN DE ; VERZICHT DES ERFINDERS AUF NENNUNG ; STEINEGGER HELMUT DIPL GEOL DR RE ; PACHOW DR ING ULRICH D 8201 NEUBEUERN DE ; MEYER PROF DR ING ADOLF ; STEINEGGER DIPL GEOL DR RER NAT HELMUT D 6906 LEIM ; PFEIFER MANFRED D 6921 ZUZENHAUSEN DE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; CARVER AND CO

Designated states: AT BE CH DE FR GB IT LI LU NL SE

4) Family number: 31772394 (US2005064164A)

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Title: MULTI-LAYER PROCESS AND APPARATUS FOR PRODUCING HIGH STRENGTH FIBER-REINFORCED STRUCTURAL CEMENTITIOUS PANELS

Abstract: A multi-layer process for producing structural cementitious panels, includes, (a.) providing a moving web; (b.) one of depositing a first layer of loose fibers upon the web and (c.) depositing a layer of settable slurry upon the web; (d.) depositing a second layer of loose fibers upon the slurry; (e.) embedding said second layer of fibers into the slurry; and (f.) repeating steps (c.) through (e.) until the desired number of layers of settable fiber-enhanced slurry in the panel is obtained. Also provided are a structural panel produced by the present process, an apparatus suitable for producing structural cementitious panels according to the present process, and a structural cementitious panel having multiple layers, each layer created by depositing a layer of settable slurry upon a moving web, depositing fibers upon the slurry and embedding the fibers into the slurry such that each layer is integrally formed with the adjacent layers.

Classifications:

International (IPC 8-9): B05D1/12 B28B B28B1/16 B28B1/30 B28B1/52 B28B13/02 B28B19/00 B28B3/12 B28B5/02 B28B5/04 B29C39/20 B29C70/06 B29C70/30 B32B B32B13/02 C04B14/38 C04B16/06 C04B28/02 E04C E04C1/40 E04C2/04 E04C2/06 (Advanced/Invention); B05D1/12 B28B1/16 B28B1/30 B28B1/52 B28B19/00 B28B3/00 B28B5/00 B29C39/00 B29C70/04 B29C70/06 B32B13/00 C04B14/38 C04B16/00 C04B28/00 E04C2/04 E04C2/06 (Core/Invention); B28B (Subclass/Invention)

International (IPC 1-7): B05D1/12 B28B 1/52 B28B 5/02 B28B1/52 B28B5/02 B32B13/02 E04C2/04

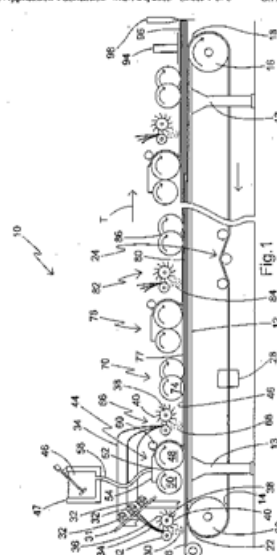
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European: B28B1/52C B28B1/52F B28B19/00K B28B5/02C2 E04C2/06

US: 118/223 156/42 264/128 264/172.19 264/308 264/333 425/115 425/130 425/209 425/308 425/371 425/447 427/180 428/212 428/220 428/292.1

PatBase - US2005064164_AA

Patent Application Publication Mar. 24, 2005 Sheet 1 of 3 US 2005/064164 A1



Family:

Publication number	Publication date	Application number	Application date
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AR063771 AA	20090218	AR2007P104859	20071031
AU2007318006 AA	20080515	AU20070318006	20071101
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US2007110970 AA	20070517	US20060591793	20061101
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WO08057376 A2	20080515	WO2007US23058	20071101
WO08057376 A3	20081106	WO2007US23058	20071101

Priority:

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EP20040782817	20040901	WO2004US28401	20040901	US20060591793	20061101
US20060591793	20061101	JP20090534715	20071101	EP20070839892	20071101
WO2007US23058	20071101	JP20090534715T	20071101	US20080133657	20080605
CA20122534998	20121224				

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): CHAMBERS JOE W ; DUBEY ASHISH ; GREENGARD AARON ; JUNAJTED STEHJTS DZHIPSAM KOMPANI ; JUNAJTED STEJTS DZHIPSUM KOMPA ; US GYPSUM CORP ; LI ALFRED C ; MILLER D PAUL ; PORTER MICHAEL J ; USG CORP ; UNITED STATES GYPSUM CO

Assignee(s): UNITED STATES GYPSUM CO CHICAGO ; UNITED STATES GYPSUM CORP ; MILLER D ; UNITED STATES GYPSUM CO700 NORTH HIGHWAY 45LIBERTYVILLEIL60048-1296US ; JUNAJTED STEJTS DZHIPSUM KOMPANI

Inventor(s): (std): ASHISH DUBEY ; AARON GREENGARD ; CHEMBERS DZHO V ; DUBEJ ASHISH ; LI AL FRED S ; GRINGARD AARON ; PORTER MAJKL DZH ; MILLER D POL ; DUBEY ASHISH CHAMBERS JOE W GR ; D PAUL MILLER ; DABI ASHISH ; MILLER PAUL D ; PORTER MICHAEL J ; MILLER D PAUL ; LI ALFRED C ; GREENGARD AARON ; CHAMBERS JOE W ; DUBEY ASHISH

Inventor(s): ALFRED C LI ; JOE W CHAMBERS ; MICHAEL J PORTER ; MILLER D ; DUBEY ASHISH CHAMBERS JOE W ; DUBEY ASHISH CHAMBERS JOE W GREENGARD AARON LI ALF ; CHAMBERS JOE ; LI ALFRED ; PORTER MICHAEL ; ASHISH DUBEY MICHAEL J PORTER JOE W CHAMBERS AARON GREENGARD ALFRED C LI PAUL D MILLER ; PORTER MICHAEL J HANOVER PARK ; DUBEY ASHISH GRAYSLAKE ; MILLER D PAUL LINDENHURST ; LI ALFRED C NAPERVILLE ; CHAMBERS JOE W LAKE GENEVA ; GREENGARD AARON MCHENRY ; PAUL D MILLER ; MILLER D PAULUS ; PORTER MICHAEL JUS ; LI ALFRED CUS ; CHAMBERS JOE WUS ; GREENGARD AARONUS ; DUBEY ASHISHUS ; LI AL'FRED S.

Agent(s): CULLEN PATENT AND TRADE MARK ATTORNEYS; JAMES AND WELLS INTELLECTUAL PROPERTY; MACRAE AND CO; GOWLING LAFLEUR HENDERSON LLP; MOFFAT AND CO; JOHANSSON; MARKS AND CLERK LUXEMBOURG LLP; FINDLAY ALICE ROSEMARY; SCHUETTE HARTMUT; BSB INTELLECTUAL PROPERTY LAW; RIZZO SERGIO; MARKS AND CLERK; REINHOLD COHN AND PARTNERS; TOLGA CAYLAK; GREER BURNS AND CRAIN; GREER BURNS AND CRAIN LTD; JANJI ESQ DAVID F; SAHU ESQ PRADIP; PRADIP; DAVID F; CRAIN LAWRENCE J

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 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 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 YU ZA ZM ZW

5) Family number: 1564448 (US4291542A) © PatBase

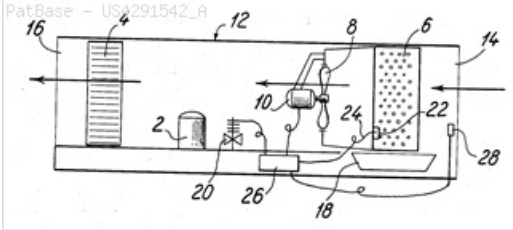
Title: AIR DRYING APPARATUS OF THE CONDENSATION TYPE

Abstract: A condensation air drying apparatus comprising a refrigeration system, the evaporator of which is used for cooling an air flow to or below its dew point whereby the moisture in the air as drawn through the cooler by a fan is condensed on the cooler and drained off. A switch over valve enables the cooler to be temporarily connected as a condenser in the refrigerator system, whereby the cooler is heatable for defrosting. A temperature sensor mounted direct on the cooler serves to control the fan power for optimal economy in normal operation and to detect frost formation and control start and stop of the defrosting cycles in response to such detection. The control equipment may include an air temperature sensor adjusting the working characteristic of the cooler temperature sensor in an optimal manner according to the temperature of the air to be dried.

Classifications:

International (IPC 8-9): B01D53/26 B28B1/52 C04B11/00 C04B11/024 C04B28/02 C04B28/14 F24F11/02 F24F3/14 F24F3/153 F25D21/00 F25D21/02 F26B21/00 (Advanced/Invention); B01D53/26 B28B1/52 C04B11/00 C04B28/00 F24F11/02 F24F3/12 F25D21/00 F26B21/00 (Core/Invention)
International (IPC 1-7): B01D5/00 B28B1/42 B28B1/52 C04B11/00 C04B11/08 C04B11/09 C04B11/10 C04B11/14 C04B13/00 C04B13/14 C04B13/20 C04B13/22 C04B13/24 C04B15/00 C04B29/04 C04B31/04 C04B31/30 E01C7/08 E01C7/08 F24F11/02 F24F3/14 F25B29/00 F25B41/00 F25B49/00 F25D21/00 F25D21/06 F26B21/00 F28F17/00

CPC: C04B11/00 C04B11/024 C04B28/14 B01D53/265 F24F3/153 F24F11/89 F25D21/002 F25D21/02 C04B28/02
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US: 62/156 62/209



Family:

Publication number	Publication date	Application number	Application date
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FR2237857 B1	19780804	FR19740015390	19740503
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IN141289 A	19770212	IN1974CA01081	19740517
IT1023832 A	19780530	IT19740012777	19740508
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JP51001526 A2	19760108	JP19750060133	19750520
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LU69977 A	19740925	LU19740069977	19740502
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SE7505732 A	19751121	SE19750005732D	19750520
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US4291542 A	19810929	US19800149629	19800514
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Priority:

DE19732336220 19730717	DE19732337374 19730723	CH19740006885 19740520
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Probable Assignee: A S DANTHERM SKIVE JEGSTRUPVEJ 7800 SKIVE

Assignee(s): (std): GYPSUM RESEARCH ; OLEARIT AG ; OLEAG AG ; DANTHERM JEGSTRUPVEJ AS ; DANTHERM AS

Assignee(s): GYPSUM RES SA ; DANTHERM A S ; OLEARIT ZUERICH SCHWEIZ AG ; OORIIGU AG ; OLEARIT AG ZUERICH SCHWEIZ ; THOEGERSEN SVEND I ; SMINGE POUL E ; OLEAG CH AG ; OLEAG TE ZUERICH ZWITSERLAND AG ; GYPSUM RESEARCH SA ; GYPSUM RESEARCH SA CH ; OLEAG AG CH ; GYPSUM RESEARCH S A ; GYPSUM RESEARCH S A GENEVE CH ; GYPSUM RESEARCH S A ZUG CH ; GYPSUM RESEARCH S A CH ; GYPSUM RESEARCH S A TE GENEVE ZWITSERLAND ; OLEAG AG TE ZUERICH ZWITSERLAND ; KNAUF ALFONS N ; A S DANTHERM ; A S DANTHERM JEGSTRUPVEJ 7800 SKIVE ; A S DANTHERM SKIVE JEGSTRUPVEJ ; A S DANTHERM SKIVE JEGSTRUPVEJ 7800 SKIVE ; A S DANTHERM TE SKIVE DENEMARKEN ; ANS DANTHERM ; AS DANTHERM ; BOLD JORG

Inventor(s): (std): BOLD JORG ; KNAUF ALFONS N ; KNAUF ALFONS DIPL BERGING DR ; KNAUF A ; KNAUF ALFONS ; BOLD J ; BOLD JOERG ; GOTSUTOFURIIDO TANNERU ; SCHEDLER UELI ; TANNER ; SCHEDLER ULRICH ; SUBENDO INGUBAA SOEGERUSEN ; SMINGE POUL ERIK ; SMINGE POUL E ; SMINGE P E ; KNAUF A ; SCHEDLER U ; TANNER G ; POURU ERITSUKU SUMINGE ; TANNER GOTTFRIED ; THOEGERSEN SVEND INGVAR ; THOEGERSEN SVEND I ; THOEGERSEN S I ; UERI SHEDORERU

Inventor(s): TANNER GOTTFRIED ESSLINGEN ; VERZICHT DES ERFINDERS AUF NENNUNG ; POUL ERIK SMINGE ; P E SMINGE ; UELI SCHEDLER ; SCHEDLER ULRICH SPREITENBACH ; S I THOEGERSEN ; SVEND INGVAR THOEGERSEN ; KNAUF ALFONS DE ; ERFINDER HAT AUF NENNUNG VERZICHTET ; INGVAR THOEGERSEN SVEND ; ERIK SMINGE POUL ; BOLD JOERG DE ; GOTTFRIED TANNER

Agent(s): MARKS AND CLERK; DR YITZHAK HESS AND PARTNERS

6) Family number: 1495450 (US4033395A)

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Title: CONTINUOUS PLASTIC TIRE BODY AND TIRE

Abstract: A tire suitable for all types of wheels, including vehicles and wheels, such as in automobiles, motorcycles or bicycles, in which the tire body is an extruded or molded plastic material formed in indeterminate length complete with conventional tread and shape means to fit the usual rim of a wheel. The tire is completed by cutting a length from the indeterminate length of tire body equivalent to the rim size of the wheel for which it is intended, then bonding the ends together. The finished tire may then be stretched and snapped on the wheel frame or rim.

Classifications:

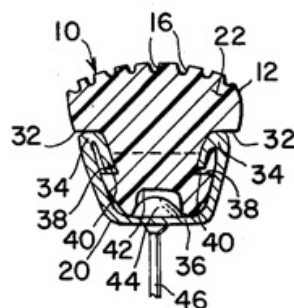
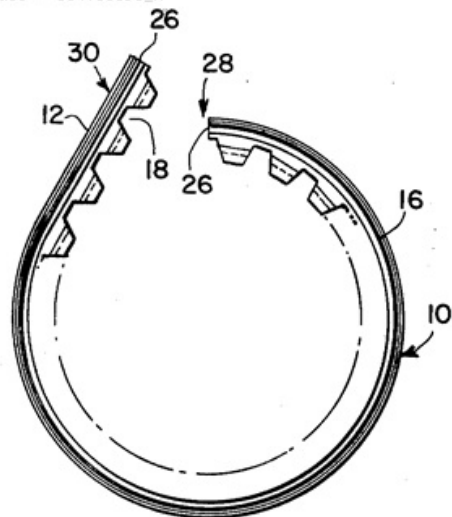
International (IPC 8-9): B28B1/52 B28B3/12 B28C5/40 B29D30/02 B60C5/00 B60C7/10 B60C7/12 B60C7/24 (Advanced/Invention); B28B1/52 B28B3/00 B28C5/00 B29D30/00 B60C5/00 B60C7/00 (Core/Invention)

International (IPC 1-7): B28B1/26 B28B1/52 B28B3/12 B28B5/02 B28C5/00 B28C5/40 B60C7/00 B60C7/12 B60C7/24 C04B14/42 C04B14/44 C04B15/00 C04B29/04 C04B31/06 C04B31/26 C04B31/36 C04B31/6 C04B35/58 C04B7/00 E04C

CPC: Y10T152/10378 B60C5/007 B29D30/02 B60C7/105 B60C7/12 B60C7/24 B28B1/52 B28C5/40

European: B28B1/52 B28C5/40 B29D30/02 B60C5/00F B60C7/10D B60C7/12 B60C7/24

US: 152/310 152/323 152/327 152/379.3 264/333 264/46.1 264/46.6 264/46.9 264/69 264/86

**Family:**

Publication number	Publication date	Application number	Application date
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CH650193 A	19850715	CH19810001647	19810311
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FI810824 L	19810919	FI19810000824	19810317
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GB2071724 B2	19830901	GB19810008368	19810317
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NO153645 B	19860120	NO19810000911	19810317
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SE444404 C	19860724	SE19810001688	19810317
SE8101688 A	19810919	SE19810001688D	19810317
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US4389359 A	19830621	US19810244579	19810317
ZA8101761 A	19820428	ZA19810001761	19810317

Priority:

Probable Assignee: WINFRED M BERG INC A CORP OF DE

Assignee(s): (std): BERG DANIEL T ; BERG WINFRED M ; BERG WINFRED M INC ; TEGURARU TEKUNOROJII LTD ; TEGRAL TECHNOLOGY LTD

Assignee(s): WINFRED M BERG INC ; TEGRAL TECHNOLOGY LTD DUBLIN IE ; WINFRED M BERG INC A CORP OF DE ; THATCHER KENNETH C ; TEGRAL TECHNOLOGY TE DUBLIN LTD ; BUNT WILLIAM H ; TEGRAL TECHNOLOGY LIMITED ; TEGRAL TECHNOLOGY LIMITED TE DUBLIN

Inventor(s): (std): BRUNT WILLIAM HENRY ; THATCHER KENNETH CYRIL ; BUNT WILLIAM H ; THATCHER KENNETH C ; BRUNT WILLIAM H ; TATCHER KENNETH CYRIL ; THATCHER K C ; BRUNT W ; THATCHER K ; CYRIL THATCHER KENNETH ; HENRY BRUNT WILLIAM ; THATCHER K C ; BRUNT W H ; BERG DANIEL T ; BERG WINFRED M ; UIRIAMU HENRI BURUNTO ; KENESU SHIIRIRU SATSUCHIYAA ; KENESU SHIIRIRU SATSUCHAA

Inventor(s): KENNETH CYRIL THATCHER ; WILLIAM HENRY BRUNT ; WILLIAM HENRY BRUNT ET KENNETH CYRIL THATCHER ; W H BRUNT ; K C THATCHER ; THATCHER KENNETH CYRIL BILLINGE WIGAN GB ; BRUNT WILLIAM HENRY TYLDESLEY MANCHESTER GB ; BRUNT WH ; THATCHER KC ; KC THATCHER ; WH BRUNT ; K C THATCHER

Agent(s): GEORGE H RICHES AND ASSOCIATES

7) Family number: 41770488 (US2008099171A)

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Title: PROCESS AND APPARATUS FOR FEEDING CEMENTITIOUS SLURRY FOR FIBER-REINFORCED STRUCTURAL CEMENT PANELS

Abstract: A head-box for depositing slurry upon a moving web including a main metering roll, a companion roll disposed in closely spaced relation to the metering roll and a vibrating gate which forms a nip between the metering roller and the gate. The nip is arranged to retain a supply of the slurry, and the rolls are driven so slurry retained in the nip progresses over an upper outer peripheral surface of the metering roll to be deposited upon the web. Also, preferably included is a doctor blade disposed in operational relationship to the metering roll for directing the slurry downwardly from the outer metering roll surface to a point above the surface of a carrier for a fiberglass layer upon which the slurry layer is deposited. The vibrating gate and doctor blade may be pivotally mounted to either side of the surfaces of the head-box.

Classifications:

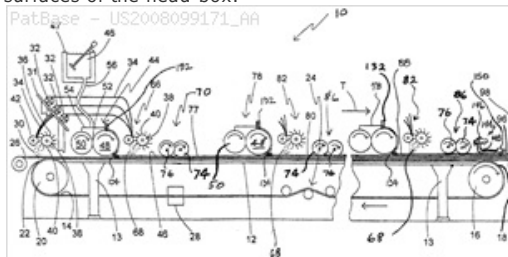
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International (ipc 1-7): B32B13/00 C04B7/00

CPC: B28B5/027 B28B7/364 B28B13/022 B28B19/0015 B28C5/365 B28C5/404

European: B28B13/02D2 B28B19/00B B28B5/02C2 B28B7/36C B28C5/36B B28C5/40C

US: 156/346 162/156 162/291 162/341 162/344 162/347 162/358.3



Family:

Publication number	Publication date	Application number	Application date
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US7754052 BB	20100713	US20060555647	20061101
WO08057272 A2	20080515	WO2007US22692	20071025
WO08057272 A3	20080814	WO2007US22692	20071025

Priority:

US20060555647 20061101 WO2007US22692 20071025

Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): FRANK WILLIAM A ; GEORGE LLOYD M ; STIVENDER EUGENE SCOTT ; UNITED STATES GYPSUM CO

Assignee(s): UNITED STATES GYPSUM COMPANY

Inventor(s): (std): FRANK WILLIAM A ; GEORGE LLOYD M ; STIVENDER EUGENE SCOTT ; SCOTT STIVENDER EUGENE

Inventor(s): GEORGE LLOYD ; FRANK WILLIAM ; STIVENDER EUGENE ; WILLIAM A FRANK ; EUGENE SCOTT STIVENDER ; LLOYD M GEORGE

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; ALESANDRI AND COMPANIA; RIPAMONTI ENRICO; YU AND PARTNERS; NOVAK DRUCE AND QUIGG LLP ANTHONY P VENTURINO; NOVAK DRUCE AND QUIGG LLP; VENTURINO ANTHONY P

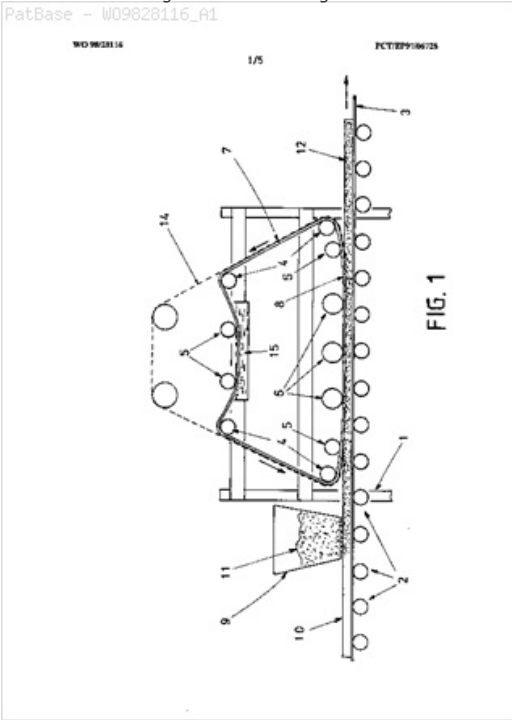
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Title: METHOD AND DEVICE FOR THE PRODUCTION OF A SURFACE PRODUCT WITH A FIBER REINFORCED CONCRETE MATRIX

Abstract: The invention relates to a method for the production of surface products with a fiber reinforced concrete matrix, in which a hydraulic setting substance is deposited in a uniformly thick layer, with reinforcement fibres proportionally admixed or scattered on, onto a substrate (3) or into a mould (10). A grid fabric (7) made of wire is placed on the layer, and, during stabilisation of the layer which has not set yet, is impressed with defined force and depth into this layer. A predetermined compaction is produced and the wire grid fabric (7), after uniform embedding of the fibers in the matrix layer and after its compaction and degasifying, is removed from the layer and the substance is left to set. A device for carrying out the method comprises at least one dispenser (9) for the fiber concrete substance, and means for the dosed discharge of the substance on a substrate (3) or into the mould (10). It has, as temporary support and compaction aid for the concrete substance (13), a wire grid fabric (7) and means (6) for impressing the same into the matrix layer, while embedding the fibers and compacting the matrix layer, and means (4, 5) for lifting the wire grid fabric (7) out from the coating after embedding of the fibers.

Classifications:

International (IPC 8-9): B28B1/52 B28B23/00 (Advanced/Invention); B28B1/52 B28B23/00 (Core/Invention)
International (IPC 1-7): B28B1/52 B28B3/12 B28B5/02
CPC: B28B1/526 B28B23/0006
European: B28B1/52F B28B23/00A



Family:

Publication number	Publication date	Application number	Application date
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DE19650432 A1	19980610	DE19961050432	19961205
EP0942816 A1	19990922	EP19970952848	19971201
WO9828116 A1	19980702	WO1997EP06728	19971201

Priority:

DE19961050432 19961205 WO1997EP06728 19971201

Probable Assignee: WEISER WOLFGANG 40468 DUESSELDORF DE

Assignee(s): (std): WEISER WOLFGANG ; WOLFGANG WEISER

Assignee(s): WEISER WOLFGANG 40468 DUESSELDORF DE

Inventor(s): (std): WEISER WOLFGANG

Inventor(s): WOLFGANG WEISER ; WEISER WOLFGANG 40468 DUESSELDORF DE

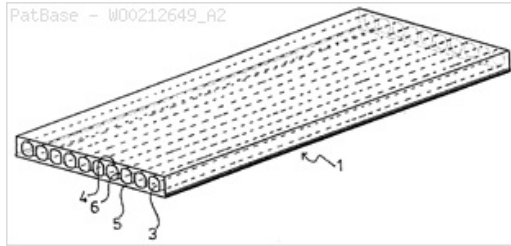
Designated states: AM AT AU AZ BE BR BY CA CH CN DE DK ES FI FR GB GR ID IE IL IT JP KG KR KZ LI LU MC MD MX NL PT RU SE TJ TM TR US

Title: HOLLOW PRE-STRESSED CONCRETE SLAB AND METHOD FOR PRODUCTION THEREOF

Abstract: The invention relates to a method for production of hollow pre-stressed concrete slabs (1), whereby several strands (2) are tensioned in parallel, either individually or groupwise, between two fixtures arranged separate from each other and are enveloped in concrete in an extrusion process, whereby cavities (3) remain, running between the strands enveloped in concrete and parallel to said strands. According to the invention, conventional hollow pre-stressed concrete slabs and the method for production thereof may be improved such that the economic advantages of using said slabs in construction is improved and the load capacity of said slabs is increased, above all in the transverse direction, making it possible to produce wider slabs, whereby a fibre concrete is used as the concrete material.

Classifications:

International (IPC 8-9): B28B1/52 E04C5/01 (Advanced/Invention); B28B1/52 E04C5/01 (Core/Invention)
International (IPC 1-7): B28B1/00 B28B1/52 B28B21/52 B28B23/06 B28B3/20 E04C2/06 E04C2/52 E04C5/00 E04C5/01 E04C5/07
CPC: B28B1/523 E04B5/043 E04C5/012
European: B28B1/52D E04B5/04H E04C5/01A

**Family:**

Publication number	Publication date	Application number	Application date
AT321638 E	20060415	AT20010964841T	20010714
AU2001285681 AA	20020218	AU20010285681	20010714
DE10037766 A1	20020214	DE20001037766	20000803
DE10193177 D2	20030703	DE20011093177	20010714
DE50109390 D1	20060518	DE20015009390	20010714
EP1307326 A2	20030507	EP20010964841	20010714
EP1307326 B1	20060329	EP20010964841	20010714
WO0212649 A2	20020214	WO2001DE02720	20010714
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WO0212649 C1	20020606	WO2001DE02720	20010714

Priority:

DE20001037766 20000803 DE20011093177 20010714 WO2001DE02720 20010714
 DE20015009390 20010714 WO2001DE002720 20010714

Probable Assignee: FINGER IMMOBILIEN GMBH AND CO KG**Assignee(s):** (std): GERHARDS RUDOLF ; HOCHTIEF FERTIGTEILBAU GMBH ; WELLHOEFER ALFRED ; RINDLE GERHARD ; RIEGER THOMAS ; FINGER IMMOBILIEN GMBH AND CO KG ; FINGER IMMOBILIEN GMBH AND CO K**Assignee(s):** FINGER IMMOBILIEN GMBH AND CO KG**Inventor(s):** (std): WELLHOEFER ALFRED ; RINDLE GERHARD ; RIEGER THOMAS ; GERHARDS RUDOLF ; WELLHOEFER ALFRED**Inventor(s):** ALFRED WELLHOEFER ; GERHARD RINDLE ; THOMAS RIEGER ; RUDOLF GERHARDS**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW**10) Family number: 46803828 (US2010227073A)**

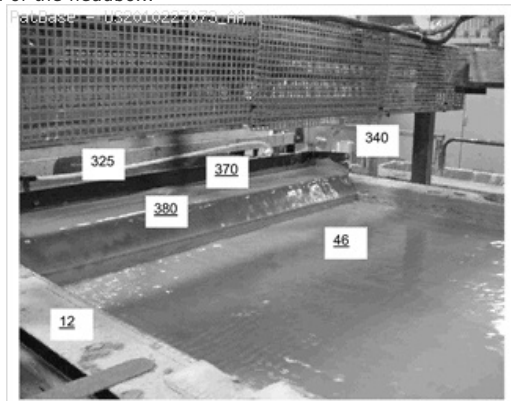
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Title: PROCESS AND APPARATUS FOR FEEDING CEMENTITIOUS SLURRY FOR FIBER-REINFORCED STRUCTURAL CEMENT PANELS

Abstract: An apparatus and process for depositing slurry upon a moving forming web. The apparatus includes a pivotally mounted headbox for depositing slurry from the inner bottom surface of the headbox down an inclined spillway as a continuous curtain onto a moving web. The headbox is mounted transverse to the direction of travel of the moving web. The headbox also has vertical edge boards, including a headbox back edge board and two opposed headbox side edgeboards, on three respective sides of the headbox to prevent slurry from spilling over the sides and back of the headbox. The headbox is supplied with slurry from a slurry mixer by a feed line mounted on a reciprocating trolley which moves, transverse to the direction of travel of the moving web, back and forth along the length of the headbox.

Classifications:

International (IPC 8-9): B05B5/00 B05C5/00 B05C5/02 B05D1/30 B22F3/08 B28B B28B1/16 B28B1/52 B28B11/00 B28B13/02 B28B19/00 B28B5/00 B28B5/02 B28C5/00 C03B37/00 (Advanced/Invention); B05D1/30 B07B1/00 B28B1/00 B28B13/02 (Advanced/Non-invention); B05C5/00 B05D1/00 B28B1/52 B28B13/00 B28B19/00 B28B5/00 (Core/Invention); B28B1/16 B28B11/00 (Core/Non-invention)
International (IPC 1-7): B28B1/52 B28B13/02 B28B19/00 B28B5/02
CPC: B05C5/005 B05C5/0245 B28B2013/0265 B28B2013/024 Y10S118/04 B28B1/526 B28B5/027 B28B13/02 B28B19/0092
European: B28B1/52F B28B13/02 B28B19/00K B28B5/02C2
US: 118/323 118/324 118/324S 118/415 118/421 118/429 118/DIG.4 162/341 209/233 209/477 264/206 264/251 264/71 264/84 425/261 425/456 425/60 425/64 427/420 427/420P

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: UNITED STATES GYPSUM CO

Assignee(s): (std): UNITED STATES GYPSUM CO ; YUU ESU JII CORP ; USG CORP

Assignee(s): UNITED STATES GYPSUM CO CHICAGO ILL US ; UNITED STATES GYPSUM CO LIBERTYVILLE ILL US ; WENZLOW LUKASCH LUDWIG ; UNITED STATES GYPSUM CO CHICAGO ILL ; UNITED STATES GYPSUM COMPANY ; ENSMINGER ROBERT P ; MCCLEARY ROBERT E

Inventor(s): (std): LUDWIG WENZLOW LUKASCH ; MCCLEARY ROBERT E ; ENSMINGER ROBERT P ; WENZLOW LUKASCH LUDWIG ; MCCLEARY ROBERT ELLIOT ; ENSMINGER ROBERT PEEL ; ROBERT E MCCLEARY ; ROBERT P ENSMINGER ; ENSMINGER ROBERT ; MCCLEARY ROBERT ; UENZUROU RUKATSUSHIYU RUDOUITS ; ENSUMINGAA ROBAATO PIIRU ; MAKURIARII ROBAATO ERIOTSUTO ; UENZURO RUKATSUSHU RUDOITSUGU

Inventor(s): UENZUROU RUKATSUSHIYU RUDOUITSUGU ; ROBERT PEEL ENSMINGER ; ROBERT ELLIOT MCCLEARY ; MCCLEARY ROBERT ELLIOT GENEVA IL 60134 US ; ENSMINGER ROBERT PEEL CARMAN IL 61425 US ; WENZLOW LUKASCH LUDWIG DEERFIELD IL 60015 US ; ENSMINGER ROBERT PEEL CARMAN IL 61425 ; MCCLEARY ROBERT ELLIOT GENEVA IL 60134 ; WENZLOW LUKASCH LUDWIG DEERFIELD IL 60015

Agent(s): GRIFFITH HACK; MACRAE AND CO

Designated states: AT AU BE DE DK FI FR IT JP NL NO SE

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Title: Process for manufacturing cement plates reinforced with fibrillated polymeric films

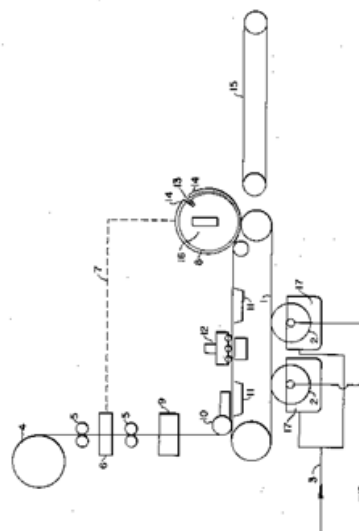
Abstract: A process is provided for continuously manufacturing plates containing an open net fibrillated polymeric film reinforcement. A net having a plurality of fibrillated polymeric film layers is unwound from a continuous reel, and the net is cut into pieces having a length approximately equal to a circumference of a forming roll for forming a plate to be manufactured. The net pieces are impregnated with a cement mix and then deposited onto a conveyor belt on which a cement mix layer has been previously deposited. After contacting the net with the cement layer, the net is subjected to vibration. A vacuum is applied to the net contacting the cement layer to remove excess water and to increase the compactness between the net and the cement layer. The net-cement panel resulting from the above is wound onto the forming roll, which has a circumference approximately equal to the length of the net piece, with simultaneous application of pressure, so that the ends of the net piece are disposed adjacent to a notch located at a periphery of the forming roll. The net-cement panel is cut at the notch adjacent to which the ends of the net pieces are arranged to form a plate, and finally the plate is compressed.

Classifications:

International (IPC 8-9): B28B1/42 B28B23/00 (Advanced/Invention); B28B1/30 B28B23/00 (Core/Invention)
International (IPC 1-7): B28B1/30 B28B1/52 B28B23/00 B28B23/02 B28B23/20 B32B13/14 C04B31/34
CPC: B28B1/42 B28B1/527 B28B23/0006
European: B28B1/42 B28B23/00A L28B1/52G
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Probable Assignee: MOPLEFAN SPA

Assignee(s): (std): MOPLEFAN SPA

Assignee(s): MOPUREFUAN SPA ; MOPLEFAN S P A

Inventor(s): (std): DIPAOLA M ; CHIAPPINI G ; VITTONI A ; JIYOSETSUPE CHIATSUPIINI ; ANDOREA BITSUTOONE ; MATSUSHIMO DEI PAORA ; DI PAOLA MASSIMO ; GIUSEPPE CHIAPPINI ; VITTONI ANDREA ; CHIAPPINI GIUSEPPE ; PAOLA MASSIMO DI ; CHIAPPINI GIUSEPPE

Inventor(s): ANDREA VITTONI ; GIUSEPPE CHIAPPINI ; MASSIMO DI PAOLA

Agent(s): GRIFFITH HACK

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