

/103



AVISO DE NOTIFICACION  
CORREO CERTIFICADO

**Industria y Comercio**  
SUPERINTENDENCIA

Radicación : 7-38315- 4-0 Fecha: 2010-02-24 08:28:43  
Trámite : 3 MODELO  
Evento : 1 REGDEPOSITO  
Actuación : 432 COMUNICACTOADM  
Destinatario : ELIANA ISAURA MORENO BOHORQUEZ Folios 1

Señor (a) (es)  
ELIANA ISAURA MORENO BOHORQUEZ  
CARRERA 13 NO. 119-95 OFC. 104  
BOGOTA D.C.

Referencia RESOLUCION : 10004  
Fecha : 23/02/2010  
Expediente : 7-38315  
Trámite : 3 PATENTES DE MODELO DE UTILIDAD  
Evento : 1 REGISTRO/DEPOSITO/CONCESION/DEPOSITO  
Actuación : 432 COMUNICACION ACTO ADMINISTRATIVO

Comedidamente le solicito presentarse a este Despacho ubicado en la Carrera 13 No. 27 - 00 Piso Quinto (5), de la ciudad de Bogotá D.C., dentro del término de cinco (5) días hábiles contados a partir del envío de la presente citación, en horario de 8:00 a.m. a 4:30 p.m. jornada continua, con el fin de notificarle personalmente el contenido de la resolución de la referencia proferida dentro del expediente tramitado con el número de radicación citado en el asunto.

De no hacerse presente en el término indicado anteriormente, la providencia en mención se notificará por edicto, el cual se fijará por el término de diez (10) días en el Centro de Documentación e Información.

Para su comodidad el texto completo de la resolución se encontrará disponible en la página web de la Entidad desde el día hábil siguiente al de su notificación, la cual podrá ser consultada desde un computador con acceso a Internet, en la página [www.sic.gov.co](http://www.sic.gov.co), con el número de resolución a través de la opción servicios en línea bases de datos - otros servicios - consulta actos administrativos.

En caso de que se haya notificado, haga caso omiso de este aviso.

Secretaría General  
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

Al contestar favor indique el número de  
radicación consignado en el sticker

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Web: [www.sic.gov.co](http://www.sic.gov.co) e-mail: [info@sic.gov.co](mailto:info@sic.gov.co)  
Bogotá D.C. Colombia

19 BUNDESREPUBLIK  
DEUTSCHLAND

12 Offenlegungsschrift  
11 DE 31 26 271 A 1

51 Int. Cl. 3:  
E04 C 5/20



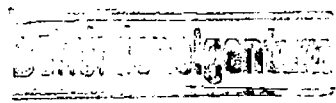
DEUTSCHES  
PATENTAMT

21 Aktenzeichen: P 31 26 271.6  
22 Anmeldetag: 3. 7. 81  
43 Offenlegungstag: 20. 1. 83

D/

11 Anmelder:  
Gabr. Seifert GmbH & Co, 5880 Lüdenscheid, DE

72 Erfinder:  
Antrag auf Nichtnennung



54 Speichenradförmiger Abstandhalter für Betonbewehrungen

Bei einem speichenradförmigen Abstandhalter (10) aus Kunststoff, der zur Abstützung von Bewehrungsstangen (20) in Betonbauteilen dient, ist ein äußerer Umfangsring (11) mit einem die Bewehrungsstange (20) lagenden Zentralringsegment (13) durch radial verlaufende Speichenstege (14, 14') verbunden. Ein beidseitig von Leitflächenstegen (17, 18) begrenzter Radialausschnitt (16) dient zum Durchführen der Bewehrungsstange (20) bis zu den Lagerstellen im Zentralringsegment. Um die Bewehrungsstange im Abstandhalter (10) besser festzuhalten und ein Abfallen oder Abdrücken bei höheren Beanspruchungen auszuschließen, soll ein in Durchführungsrichtung ansteigender, sägezahnförmiger profilierter Keil (21) mit seiner Keilspitze (22) am Innenende des einen Leitflächenstegs (17) angeformt sein, die Steilfläche (30) des Sägezahnprofils der Lagerstelle im Zentralringsegment zugekehrt werden und der Sägezahnkeil (21) mit seinem Steilflächen-Ende in eine von Speichenstegen freigehaltene Lücke (27) im Abstandhalter einschwenkbar sein, wobei der andere Leitflächensteg (18) in das Zentralringsegment (13) stetig übergeht. (31 26 271)

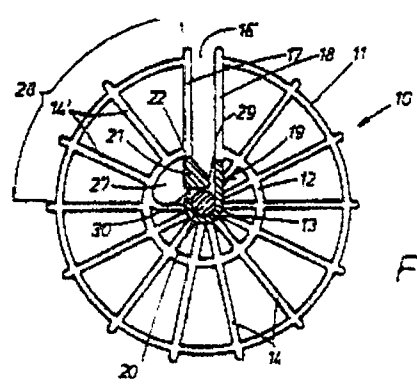


FIG. 1

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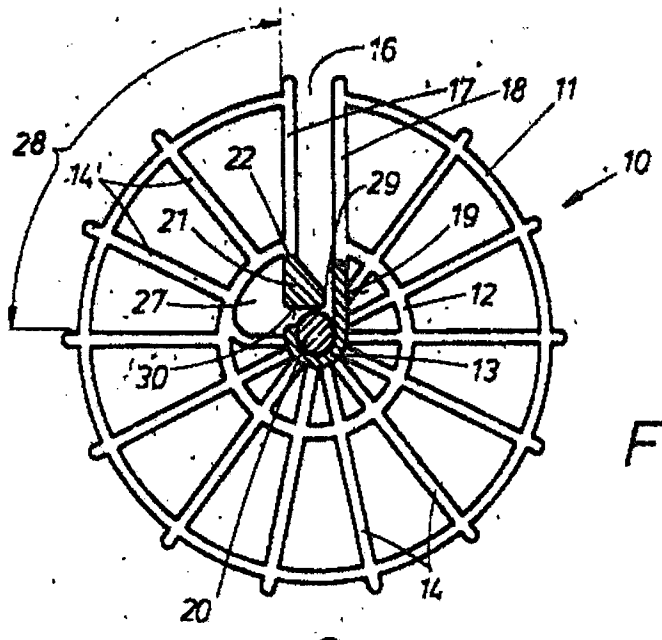


FIG. 1

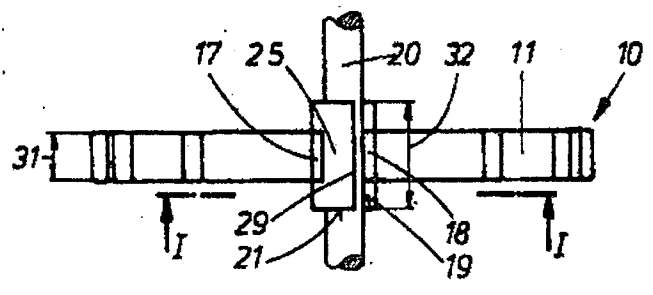


FIG. 2

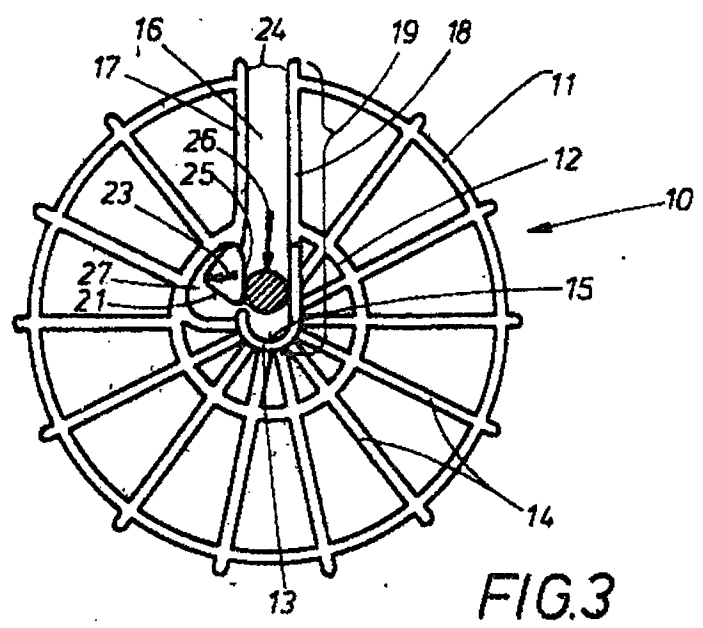


FIG. 3

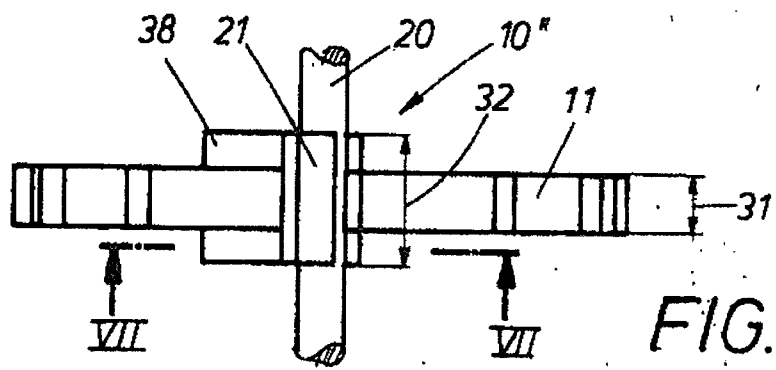
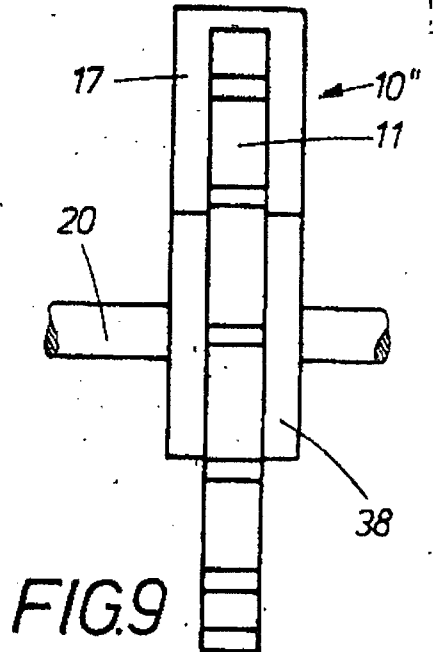
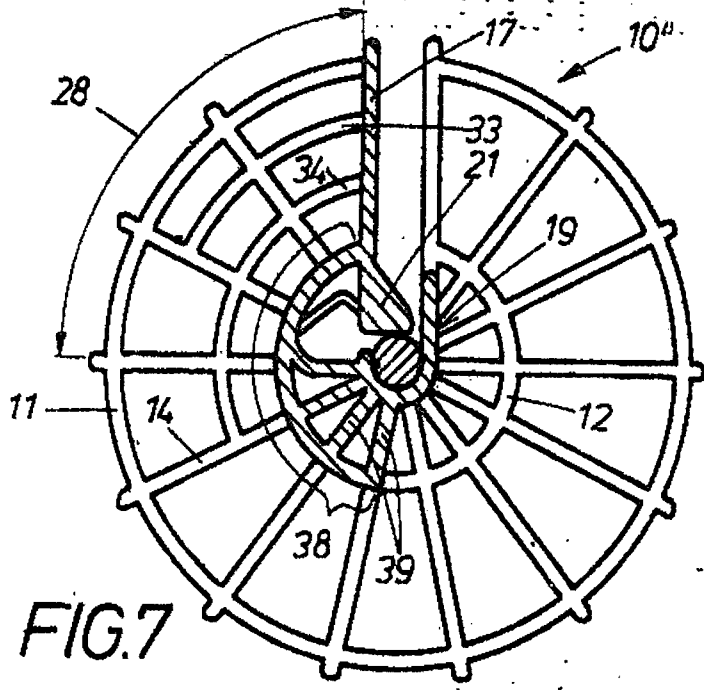


FIG. 8

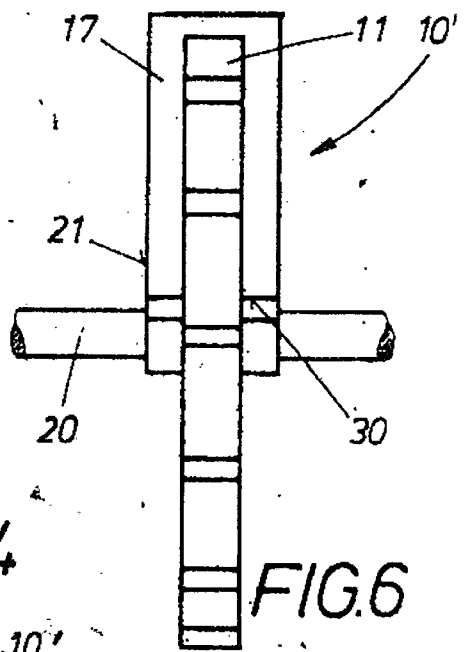
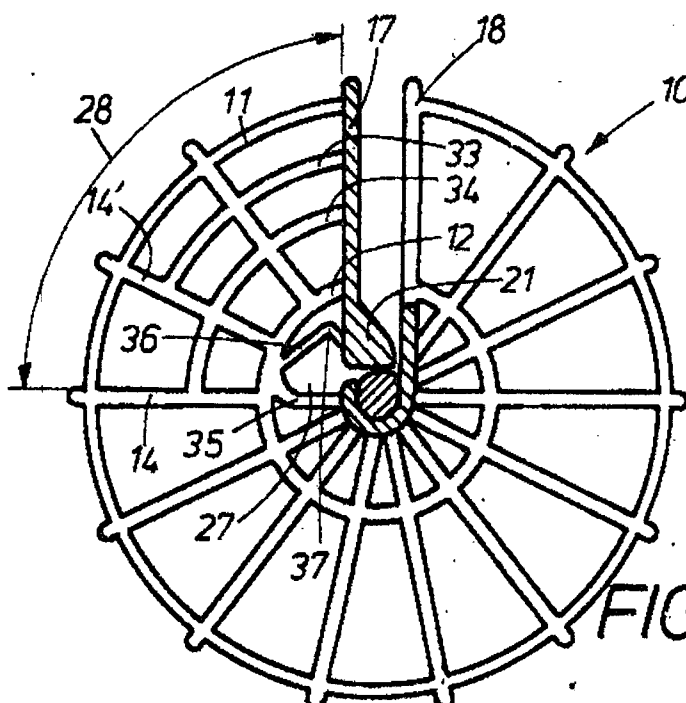


FIG. 6

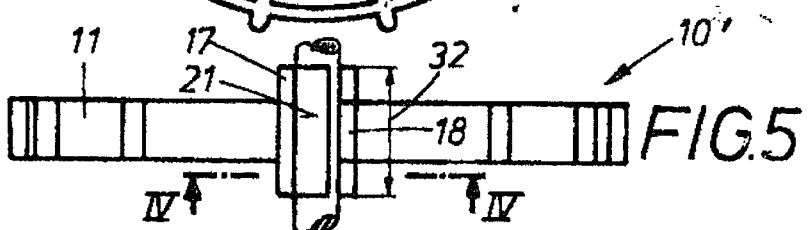


FIG. 5

(12) UK Patent Application (19) GB (11)

2 180 275 (13) A

(43) Application published 25 Mar 1987

(21) Application No 8514797

(22) Date of filing 11 Jun 1985

(71) Applicant  
Loa (Dua) Tjhong Gie  
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(72) Inventor  
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(74) Agent and/or Address for Service  
Marks & Clerk, 57/60 Lincoln's Inn Fields, London WC2A  
3LS

(51) INT CL<sup>4</sup>  
E04C 5/20

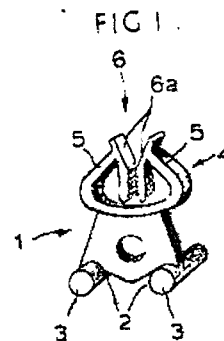
(52) Domestic classification (Edition I)  
E1D 2120 401 PR

(56) Documents cited  
GB A 2077319 GB A 2037862 GB 1384395  
GB 1276874 GB 1272869 GB 1185492  
GB 1040368 GB 0904766 GB 0849857  
EP A1 0082737

(58) Field of search  
E1D  
Selected US specifications from IPC sub-class E04C

(54) Spacer device for reinforcement within  
concrete structures

(57) An integral moulded PVC spacer rests at its undulations upon parallel concrete reinforcing rods and carried clasped within ribbed portions of jaws on arms a further such rod which is thereby accurately placed and immobilised in relation to the underlying rods to improve the characteristics of the eventual concrete structure poured over and reinforced by the assembly.



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FIG.2.

FIG.1.

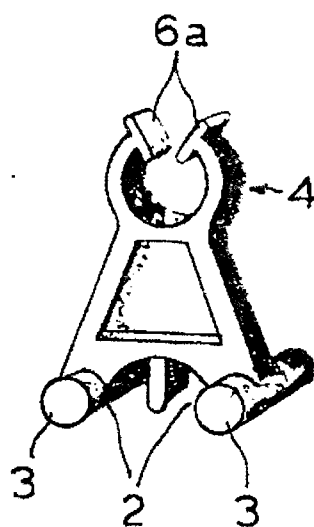
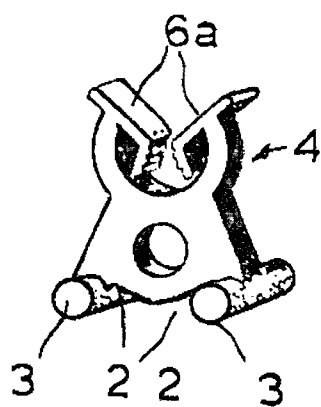
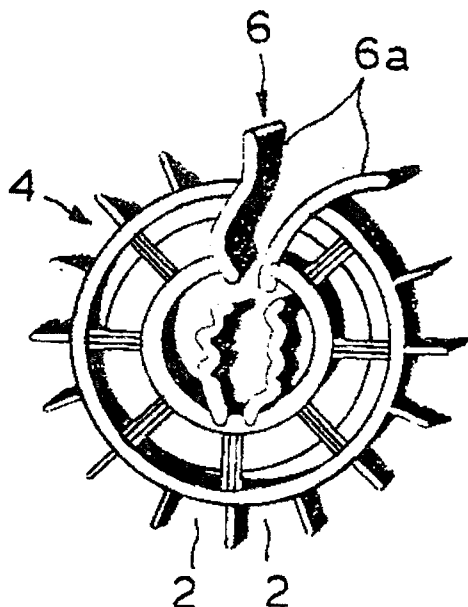
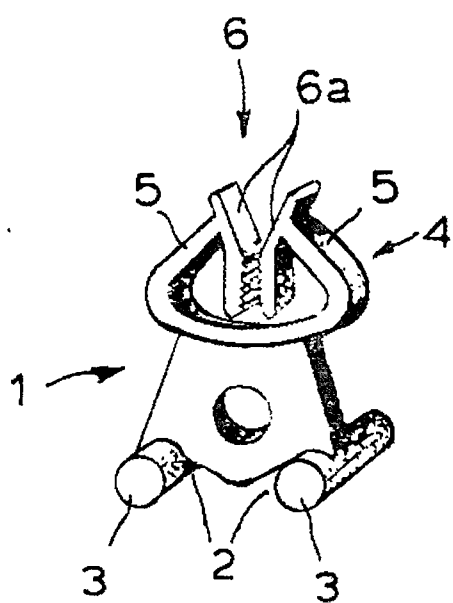


FIG.3.

FIG.4.

12 **EUROPEAN PATENT APPLICATION**

D3

21 Application number: **89301906.7**  
22 Date of filing: **27.02.89**  
51 Int. Cl. 4: **E 04 C 5/20**

|                                                                           |                                                                                                                                                   |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 30 Priority: <b>25.02.88 GB 8804414</b>                                   | 71 Applicant: <b>M.C.M. (MACHINE SALES) LTD.</b><br><b>22 Bancrofts Road Eastern Industrial Estate</b><br><b>South Woodham Ferrars Essex (GB)</b> |
| 43 Date of publication of application:<br><b>30.06.89 Bulletin 89/35</b>  | 72 Inventor: <b>Cachia, Michael Carmel</b><br><b>249 Benfleet Road</b><br><b>Benfleet Essex (GB)</b>                                              |
| 84 Designated Contracting States:<br><b>AT BE DE ES FR GB GR IT NL SE</b> | 74 Representative: <b>Messulam, Alec Moses</b><br><b>A. Messulam &amp; Co. 24 Broadway</b><br><b>Leigh on Sea Essex S89 1BN (GB)</b>              |

54 **Spacer wheel for steel cages.**

57 A spacer wheel is disclosed for mounting on a bar of a concrete reinforcement cage, comprising a main body (30) which defines a rim (20) interrupted by a gap (26) through which, in operation, the cage bar can be passed, an aperture (24) in the main body (30) which communicates with the gap (26) in the rim (20), and bearing means (24b) located within the aperture (24) of the main body (30) for receiving the cage bar.

The main body (30) is an essentially solid, disc-like, member. The bearing means (24b) comprises an interrupted ring having a radially inner surface which, in operation, receives the cage bar and serves as a bearing therefor, and a radially outer surface connected to the wall of the aperture only at points (24d) spaced from the gap (24c) in the ring (24b), whereby the ring (24b) may be deformed to enlarge the gap (24c) therein without corresponding deformation of the wall (24a) of the aperture (24). Guiding means (27) extend between the gap in the ring (24b) and the wall (24a) of the aperture (24), which guiding means (27) serve during mounting of the spacer wheel on a cage bar to direct the bar towards the gap (24c) in the ring (24b) and to widen the gap (24c) in the ring (24b) to permit the cage bar to be introduced therein.

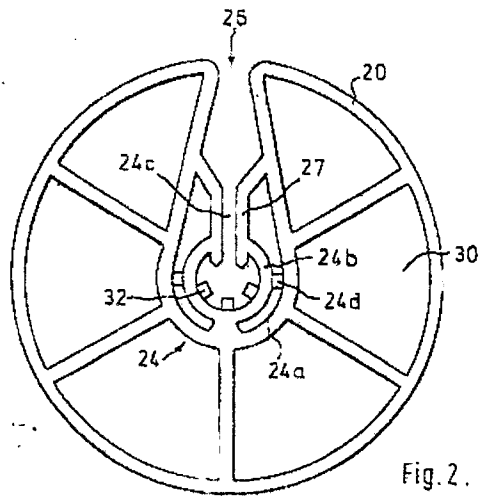


Fig. 2.

EP 0 330 519 A1



US005542785A

United States Patent [19]  
Cloud

[11] Patent Number: 5,542,785  
[45] Date of Patent: Aug. 6, 1996

124

[54] REBAR CAGE WHEEL SPACER  
CENTRALIZER SYSTEM FOR DRILLED  
SHAFTS

5,027,478 7/1991 Suhr .  
5,347,787 9/1994 Gavin ..... 52/677  
5,359,829 11/1994 Voita ..... 52/649.4 X

[75] Inventor: George T. Cloud, Lithia Springs, Ga.

[73] Assignee: Lowtech Corporation, Inc.,  
Lawrenceville, Ga.

[21] Appl. No.: 127,802

[22] Filed: Sep. 28, 1993

[51] Int. Cl.<sup>6</sup> ..... E02D 5/30

[52] U.S. Cl. .... 405/239; 52/169.6; 52/649.4,  
52/677; 249/83; 405/256

[58] Field of Search ..... 52/169.9, 649.2,  
52/649.3, 649.4, 677, 684, 685, 686, 687;  
249/83, 91; 405/239, 256, 257; 248/74.3,  
74.4

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434659 10/1967 Switzerland ..... 52/677  
623942 5/1949 United Kingdom ..... 52/677

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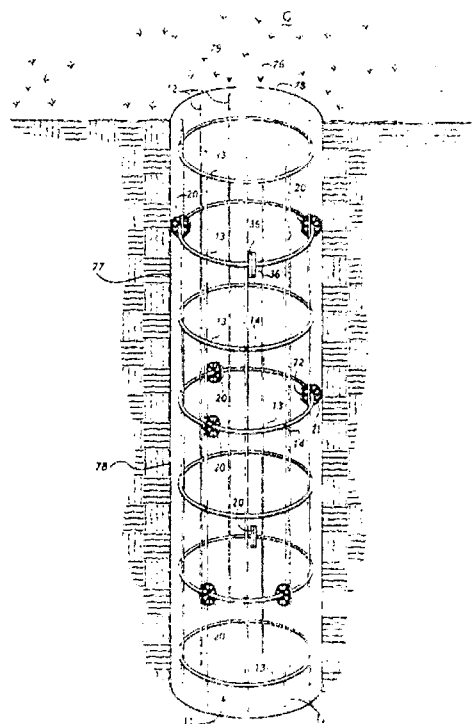
"Centraligner Pier Sleds" by Pieresearch, 2 pages, 1990.

Primary Examiner--Carl D. Friedman  
Assistant Examiner--Kevin D. Wilkens  
Attorney, Agent, or Firm--Hopkins & Thomas

[57] ABSTRACT

A spacer (20) is mounted on a lateral rebar tie (13) of a reinforcement cage (11) of a poured concrete foundation support. The spacer (20) includes a pair of interlocking wheel members (21 and 22) which lock the wheel members (21 and 22) together in a mated interlocked relationship rotatably mounted about a lateral tie (13) of the reinforcement cage (11) to form the spacer (20). As the reinforcement cage (11) is inserted into an excavated shaft, the outer side wall (32) of the spacer (20) engages and rolls along the side wall thereof. The engagement of the side wall of the excavated shaft by the spacers (20) centers the reinforcement cage within the excavated shaft and maintains the reinforcement cage in its centered position as the excavated shaft is filled with concrete.

1 Claim, 3 Drawing Sheets



(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number **10159259 A**

(43) Date of publication of application: **16.06.98**

DS

(51) Int. Cl.

**E04C 5/20**

**E04G 21/12**

(21) Application number: **08321817**

(71) Applicant: **SEKISUI PLASTICS CO  
LTDSUPEESAA KOGYO:KK**

(22) Date of filing: **02.12.96**

(72) Inventor: **TATSUMOTO MISAO**

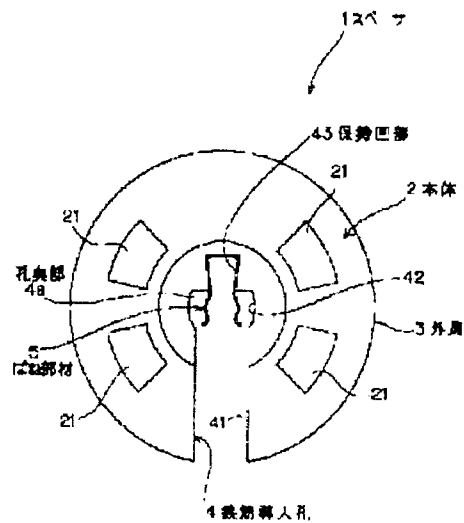
(54) **REINFORCED CONCRETE SPACER**

COPYRIGHT (C)1998 JPO

(57) Abstract:

PROBLEM TO BE SOLVED. To make it possible to prevent the bending of a reinforcing bar definitely during construction time with regards to a plurality of reinforced concrete spacers which are laid out with a specified spacing in the longitudinal direction of a reinforcing bar when construction a reinforced concrete-made side wall.

SOLUTION. A spring member 5 is fixed with the inner part 4a of a reinforcing bar introduction hole 4 of a main body 2 comprising a molded piece, such as concrete. The spring member 5 has a channel-like fixing part fixed with a holding recess 43 of the main body 2 and a pair of double leg-like clamping parts which clamp a reinforcing bar. Since the spring member 5 can hold the reinforcing bar elastically, it prevents a spacer 1 from dropping out of the reinforcing bar and moving in the longitudinal direction, which makes it possible to maintain a definite space between each spacer as a result.



41

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number **2000145019 A**

D6

(43) Date of publication of application: **26.05.00**

(51) Int. Cl. **E04C 5/18**  
**E04C 5/20**

(21) Application number **10324218**

(71) Applicant **GOKIYU SOUKO**

(22) Date of filing **13.11.98**

(72) Inventor **GOKIYU SOUKO**  
**IWAMOTO SHOZO**

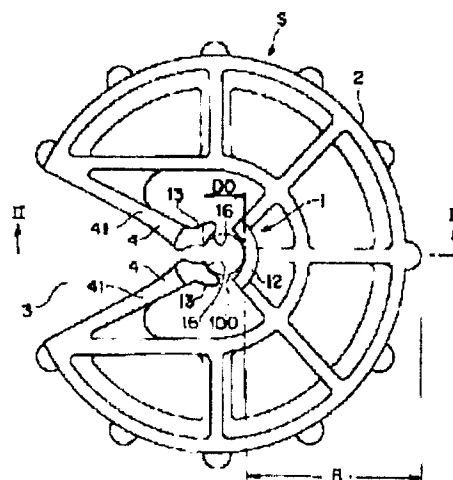
(54) **SPACER FOR BUILDING**

COPYRIGHT (C)2000.JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To jointly use one kind of a spacer even when the size is different so long as the size of reinforcements is in a specified range in a space for building use which is fitted to the reinforcements and used in determining the installation position of a mold for placing the concrete

SOLUTION: A holding part 1 to hold a reinforcement 100 has a receiving part 12 and a pair of holding parts 13, 13. The holding parts 13, 13 are provided on inwardly projecting flexible pieces 4, 4. Inner surfaces of the holding parts 13, 13 are formed to be inclined pressing surfaces. The pressing surfaces are demarcated into two arc-like surfaces outwardly and inwardly, and their opening angles are different from each other.





27/

(12) **United States Patent**  
**Gavin**

(10) **Patent No.:** **US 6,385,938 B1**  
(45) **Date of Patent:** **May 14, 2002**

(54) **SPACE FOR CONCRETE REINFORCEMENT RODS**

(6) **Inventor:** **Norman W. Gavin, 2545 Ridge Rd., North Haven, CT (US) 06413**

(7) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/669,599**

(22) **Filed:** **Sep. 26, 2000**

**Related U.S. Application Data**

(60) **Provisional application No. 60/160,264, filed on Oct. 19, 1999.**

(51) **Int. Cl.:** **E04C 5/16**

(52) **U.S. Cl.:** **52/677; 52/678; 52/689**

(58) **Field of Search:** **52/677, 689**

(56) **References Cited**

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3,292,335 A \* 12 1966 Stober ..... 52/677

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5,347,787 A \* 4, 1994 Gavin ..... 52/677  
5,542,185 A \* 8, 1996 Cloud  
5,595,639 A \* 1, 1997 Lowery ..... 52/6

\* cited by examiner

*Primary Examiner*--Carl D. Friedman

*Assistant Examiner*--Steve Varner

(74) *Attorney Agent or Firm*--Robert A. Seemann

(57) **ABSTRACT**

A pair of curved arms attached to a body form an annular seat for holding a first diameter rebar, a slot through the outer diameter of the body forms a radially inward pathway to the seat for rebar, the apex of a convex bar attached to the body is yieldable radially outward to pressure of a second, larger diameter rebar in the seat and is not significantly moved by the first diameter rebar when the smaller diameter first diameter rebar is in the seat. The seat springally grips either diameter rebar.

**7 Claims, 3 Drawing Sheets**

