



New connection on: : 09-09-2017 : 01:24:03 - Last disconnection on: : 04-09-2017 : 22:01:10

V 4.0.0.43847(LP,U,linux) (Rev:41675 2016-01-15 13:33:59 +0100#(D201710)) (RPM D201710)

Welcome to EPOQUE Rebuild under the Production Environment

[No database/cluster active] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 1] groove and pin and male

Results in EPODOC 1.327

[SS 2] (groove or slot) and pin and male

Results in EPODOC 1.768

[SS 3] 2 and (slab or panel)

Results in EPODOC 47

[SS 4] 3 and female

Results in EPODOC 35

[SS 5] 4 and pin

Results in EPODOC 35

[SS 6] 5 and channel

Results in EPODOC 4

[SS 7] ..li



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PN - [CN202187286U](#) U 20120411

PR - CN20112223364U 20110629

AP - CN20112223364U 20110629

DT - I

PA - ZHEJIANG HUATIE BASIC ENG CO

TI - Steel trestle **panel**

AB - The utility model relates to the technical field of steel structures, in particular to a steel trestle **panel**, which aims at solving the problem of a temporary bridge **channel** needed before paving a main bridge rapidly, efficiently and safely, comprises a base framework formed by a longitudinal I beam and a horizontal I beam, and is characterized in that the base framework is in a rectangular structure, a plurality of **male** joints are arranged at one end of the base framework, **female** joints corresponding to the **male** joints in position are arranged at the other end of the base framework and are in a **groove** structure, **pin** boss holes are arranged on two sides of the **groove**, the **male** joint is in a boss structure, **pin** shaft holes the same with the **pin** boss holes are arranged on the boss, and the steel trestle **panel** is paved on a rectangular plane formed by the base framework. The steel trestle **panel** has a large bearing capacity and strong rigidity, is rapid and convenient to carry, hoist, assemble and disassemble, and can be recycled.

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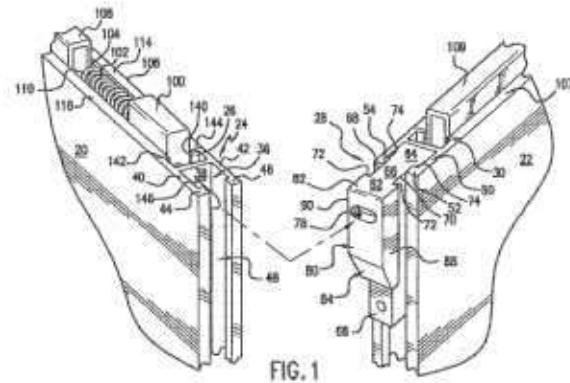
PN - [US5857304](#) A 19990112

PR - US19970834989 19970407

AP - US19970834989 19970407

DT - **

CT - || STSE (A)
[US324671](#) A 18850818 [];
[US1881681](#) A 19321011 [] (EMIL KLUMPP);
[US3332182](#) A 19670725 [] (INTERSTATE IND INC);
[US3778954](#) A 19731218 [] (JOHNS MANVILLE);
[US3873224](#) A 19750325 [] (WOLLENHAUPT JAKOB WERKMittel);
[US4395856](#) A 19830802 [] (SMITH DAVID L, et al);
[US4408430](#) A 19831011 [] (WANGLER ALFRED, et al);
[US4635327](#) A 19870113 [] (NETZNIK FREDERICK P);
[US4679368](#) A 19870714 [] (MILLER HERMAN INC [US]);
[US4689929](#) A 19870901 [] (WRIGHT JAMES D);
[US4778487](#) A 19881018 [] (CHENEL GUY G [FR]);
[US5004371](#) A 19910402 [] (GUNLOCKE CO [US]);
[US5101606](#) A 19920407 []



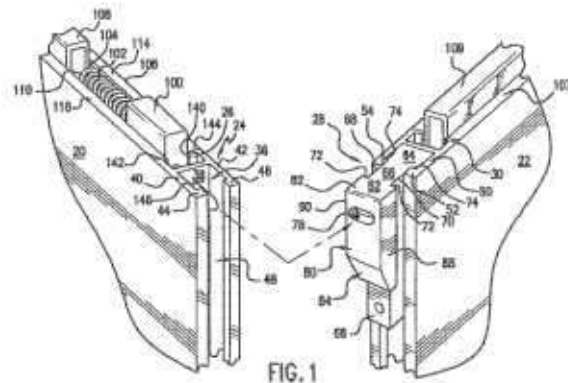
] (MERU HORST [AT]);
[US5125193](#) A 19920630 [
] (SKYLINE DISPLAYS INC [US]);
[US5179810](#) A 19930119 [
] (NIMLOK LTD [US]);
[US5242241](#) A 19930907 [
] (MEDIA GRAPHICS INC [US]);
[US5581963](#) A 19961210 [
] (SNAIR ROBERT W [US], et al);
[US5651150](#) A 19970729 [
] (MAQUET AG [DE]);
[US5687859](#) A 19971118 [
] (CHANNEL KOR SYSTEMS INC
 [US]);
[US5689926](#) A 19971125 [
] (NICHOLS GREGORY [US]);
[FR657506](#) A 19290523 [
] (SCHALK JACOB RUPPERT);
[GB2189566](#) A 19871028 [
] (ALTO SYSTEMS LTD)

- CCI - [G09F15/0068](#)
- CCA - [Y10S403/10](#) ; [Y10T403/599](#) ;
[Y10T403/602](#)
- PA - ABEX DISPLAY SYSTEMS [US]
- TI - Slidable locking system for
disengageable panels
- AB - A system is disclosed for
connecting a first **panel** to a
second **panel** in a manner which
aligns the first and second
panels at the same vertical level
with respect to each other. The
first **panel** has a **female**
connecting member provided
along its vertical edge, and
a **channel** disposed transverse to
the vertical edge. The
second **panel** has a **male**
connecting member provided
along its vertical edge, and a **slot**
provided in the **male** connecting
member. A sliding **pin** block is
retained for sliding movement
inside the **channel** of the
first **panel**, the sliding **pin** block
having a **pin** normally biased to
extend through the **female**
connecting member. The **pin** is

fitted inside the **slot** of the **male** connecting member when the first and second panels are connected along their vertical edges to align the first and second panels at the same vertical level with respect to each other.

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- PN - [EP0871156](#) A2 19981014
- PNFP - [EP0871156](#) A3 19991117
- PR - [US19970834989](#) 19970407
- AP - [EP19980104840](#) 19980317
- DT - *; Rep
- CT - || STSE (A3)
[US4865111](#) A 19890912
 [YA] (PERUTZ SIMON G A [US])
 [Y] 1,12
 * column 3, lines 31-49; figure 7
 *
 [A] 2;
[GB2197891](#) A 19880602
 [Y] (COLLIS HOWARD GEOFFREY)
 [Y] 1,12
 * page 10, lines 5-7; figure 1 *;
[US5092385](#) A 19920303
 [A] (BEAULIEU BRYAN J [US])
 [A] 1,2,12
 * column 3, lines 39-56; figure 8
 *;
[US5242241](#) A 19930907
 [A] (NELSON LEROY O [US])
 [A] 1,12
 * figure 3 *
- CCI - [G09F15/0068](#)
- CCA - [Y10S403/10](#) ; [Y10T403/599](#) ;
[Y10T403/602](#)
- PA - (A2 A3)
 ABEX DISPLAY SYSTEMS [US]
- TI - (A2 A3)
 Slidable locking system for disengageable panels
- AB - (A2)
 A system is disclosed for connecting a first **panel** to a



second **panel** in a manner which aligns the first and second panels at the same vertical level with respect to each other. The first **panel** has a **female** connecting member provided along its vertical edge, and a **channel** disposed transverse to the vertical edge. The second **panel** has a **male** connecting member provided along its vertical edge, and a **slot** provided in the **male** connecting member. A sliding **pin** block is retained for sliding movement inside the **channel** of the first **panel**, the sliding **pin** block having a **pin** normally biased to extend through the **female** connecting member. The **pin** is fitted inside the **slot** of the **male** connecting member when the first and second panels are connected along their vertical edges to align the first and second panels at the same vertical level with respect to each other. <IMAGE>

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PN - [CA1050230](#) A 19790313

PR - US19760696890 19760617

AP - CA19770280522 19770614

DT - I

CCI - [E04B1/14](#) ; [E04B1/6141](#)

PA - WISE WILLIAM D

TI - LOCKING DEVICE

AB - LOCKING DEVICE A **panel** locking device for Assembling and interlocking two double wall panels along their adjoining edges structurally integrates the locking device within the two panels and retains the panels tightly locked together under tension under all conditions of subsequent thermal expansion and contraction. The locking device incorporates a locking **pin** which is driven through a lug and over a **channel**. Each **panel** has a perimeter frame. One edge of the perimeter frame of one **panel** forms a **male channel**, and the adjoining edge of the perimeter frame of the other **panel** forms a **female channel**. A lug is connected at one end to the web of the **male channel**. The outer end of the lug has a **pin** receiving and **panel** aligning hole extending through the lug. The web of the **female channel** is formed with a lug receiving **slot** extending through

the web. An aligning and locking **pin** has a tapered tip; and when the panels are aligned edge-to-edge, the hole in the lug extends far enough above the backside of the **female channel** web to permit entry of the tapered tip of the **pin**. As the **pin** is driven into the hole and up to the full diameter of the **pin**, the lug is pulled upward through the **slot** in the **female** web. This produces elastic deflection of the **male** and **female** webs to retain the panels tightly locked together and structurally integrates the locking device into the perimeters of the two panels. The stressed deflection of the webs thus provides a constant and permanent force which urges the two panels together in tightly locked engagement.