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(12) **United States Design Patent**
Moriyama et al.

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(54) **LOWER CAGE OF A TRANSCEIVER CAGE ASSEMBLY**

2003/0198025 A1 * 10/2003 Cao 361/728
2003/0206403 A1 * 11/2003 Zaremba 361/728
2004/0042741 A1 * 3/2004 Moriyama et al. 385/92

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* cited by examiner

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(**) Term: **14 Years**

(57) **CLAIM**

(21) Appl. No.: **29/174,426**

The ornamental design for a lower cage of a transceiver cage assembly, as shown and described.

(22) Filed: **Jan. 17, 2003**

(30) **Foreign Application Priority Data**

DESCRIPTION

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FIG. 1 shows a bottom view of a lower cage of a transceiver cage assembly embodying the design.

(51) **LOC (6) Cl.** **13-03**

FIG. 2 shows a top view of a lower cage of a transceiver cage assembly embodying the design.

(52) **U.S. Cl.** **D13/154**

FIG. 3 shows a left-side view of a lower cage of a transceiver cage assembly embodying the design.

(58) **Field of Search** D13/123, 133,
D13/154; 439/79, 607; 361/728, 752, 818;
385/92

FIG. 4 shows a right-side view of a lower cage of a transceiver cage assembly embodying the design.

FIG. 5 shows a front view of a lower cage of a transceiver cage assembly embodying the design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

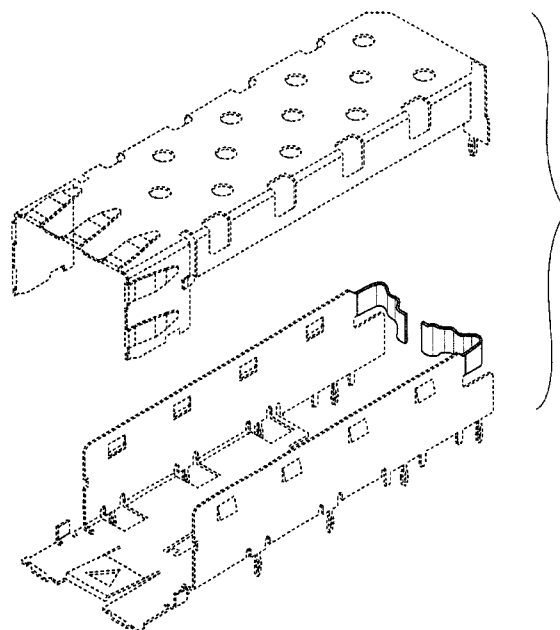
6,364,709 B1 * 4/2002 Jones 439/607
6,368,153 B1 * 4/2002 Hwang 439/607
6,416,361 B1 * 7/2002 Hwang 439/607
6,430,053 B1 * 8/2002 Peterson et al. 361/728
6,443,768 B1 * 9/2002 Dirkers et al. 439/607
6,478,622 B1 * 11/2002 Hwang 439/607
6,508,670 B1 * 1/2003 Hwang 439/607
2002/0072274 A1 * 6/2002 Flickinger et al. 439/607
2003/0194190 A1 * 10/2003 Huang 385/92

FIG. 6 shows a rear view of a lower cage of a transceiver cage assembly embodying the design; and,

FIG. 7 shows a perspective view of a lower cage of a transceiver cage assembly embodying the design.

Broken lines in the drawings are included for the purpose of illustrating portions of a transceiver cage assembly that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



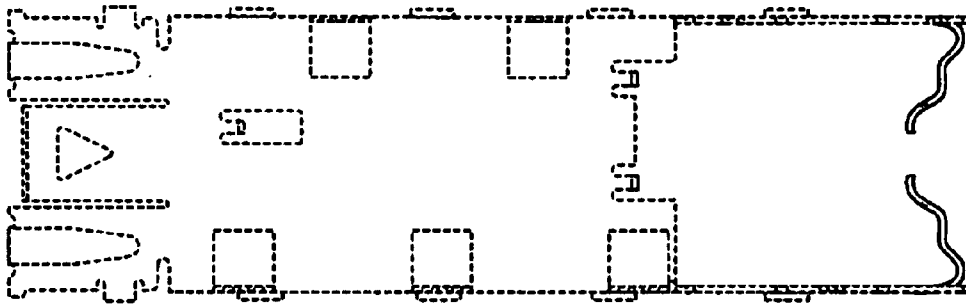


FIG. 1

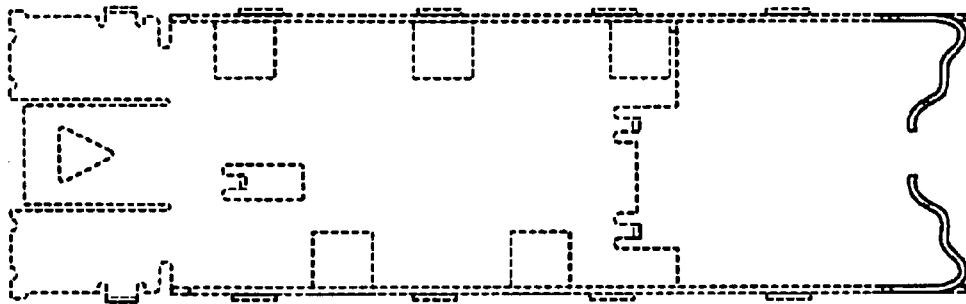


FIG. 2

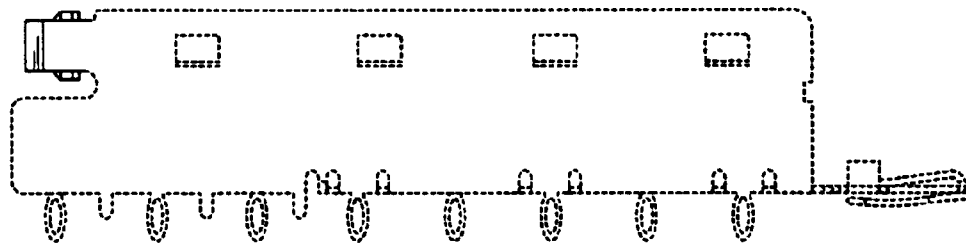


FIG. 3

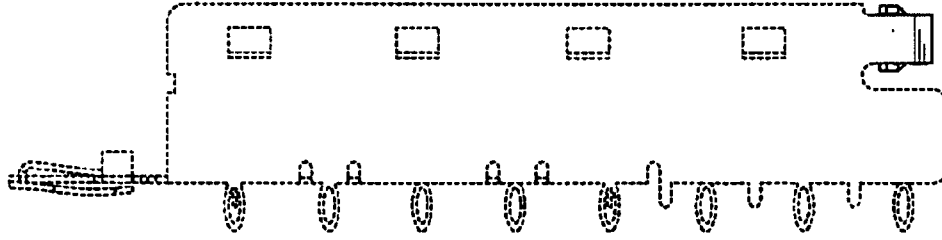


FIG. 4

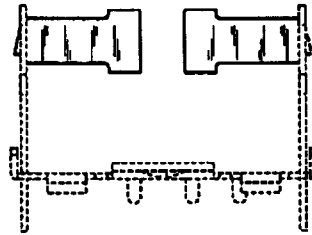


FIG. 5

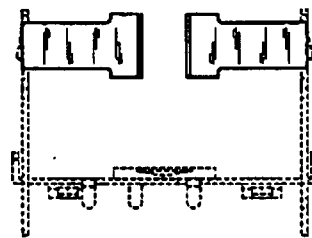


FIG. 6

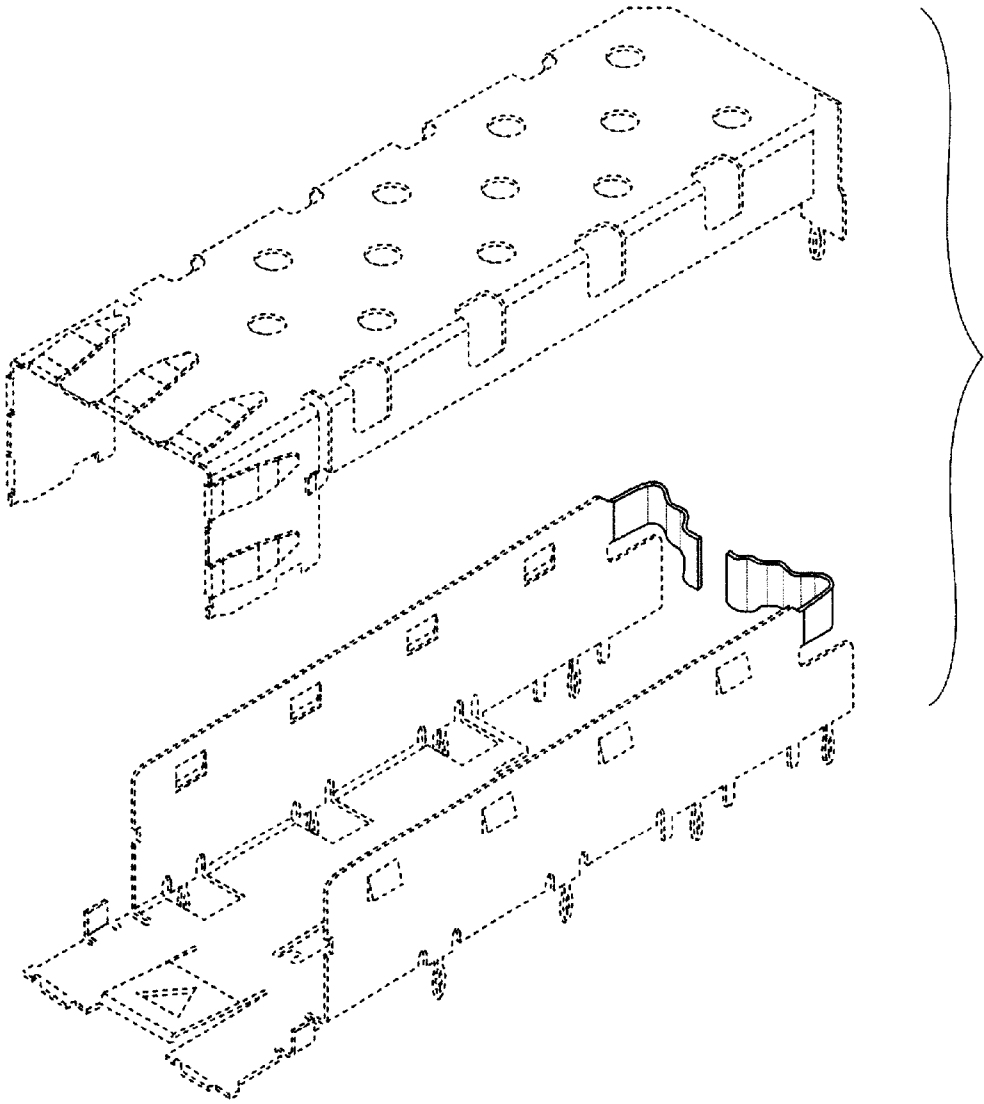


FIG. 7