

**Petitioner Norman International, Inc.'s
Demonstratives**

**Norman International, Inc.
v.
Hunter Douglas Inc.**

**Case IPR2014-01175
Patent No. 6,968,884 B2**

**BEFORE LINDA M. GAUDETTE, JAMES P. CALVE AND
HYUN J. JUNG, *ADMINISTRATIVE PATENT JUDGES***

**Oral Argument
October 20, 2015**

U.S. Patent No. 6,968,884

(54) MODULAR TRANSPORT SYSTEM FOR COVERINGS FOR ARCHITECTURAL OPENINGS

(12) United States Patent
Anderson et al.

(54) MODULAR TRANSPORT SYSTEM FOR COVERINGS FOR ARCHITECTURAL OPENINGS

(75) Inventors: Richard J. Anderson (US); William J. Steiner (US); Steven J. Anderson (US)

(73) Assignee: Hunter Douglas, Inc., River, NJ

(*) Notice: Subject to patent is U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/184,008

(22) Filed: Jun. 26, 2002

(65) Prior Publication Data

US 2002/0174961 A1 Nov. 28, 2002

Related U.S. Application

(63) Continuation of application No. 09/20, 2000, now Pat. No. 6,536,503.

(60) Provisional application No. 60/125, 1999.

(51) Int. Cl.⁷

(52) U.S. Cl. 160/170;

(58) Field of Search 160/84.01, 84.02, 84.299; 242/375.3; 188.89, 89.8

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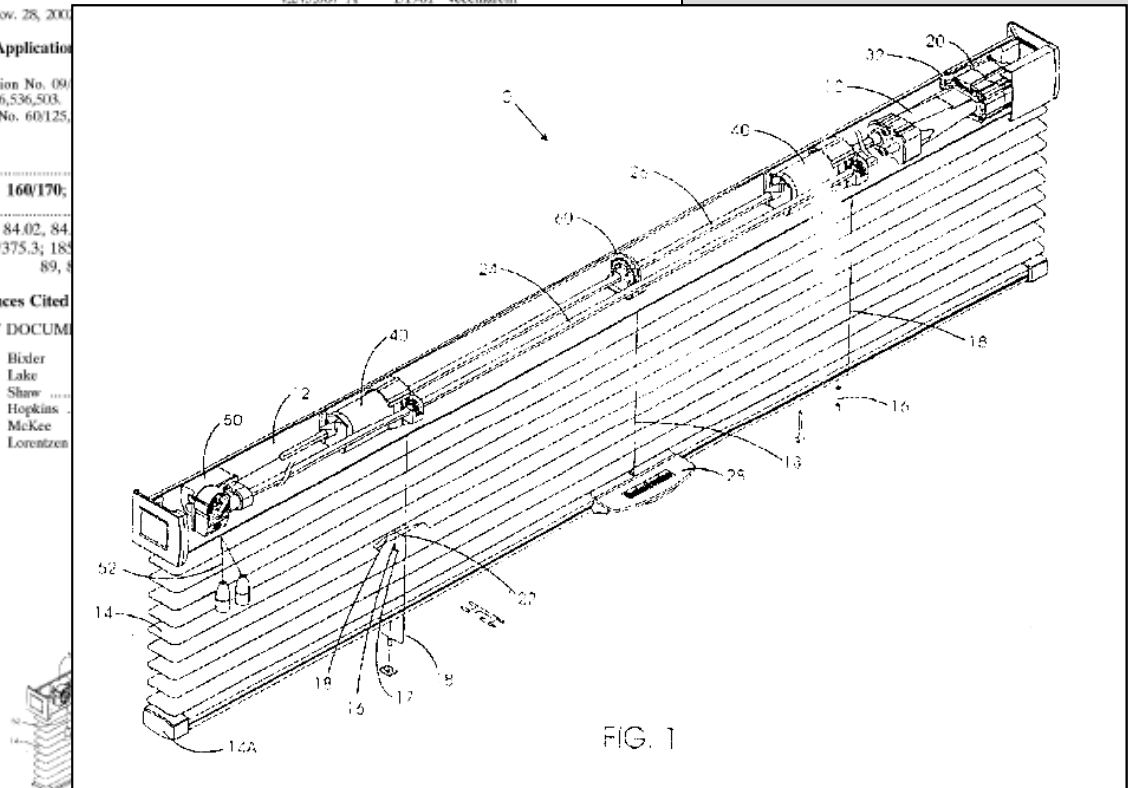
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and/or open and close the covering. *Id.* at 1:21–23. A goal of the invention is to provide a system wherein these mechanisms are housed in independent, self-contained modules that are readily interconnected to satisfy the requirements of a multitude of different window covering systems. *Id.* at

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Ex. 1001, p. 1

Priority Date



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(12) **United States Patent**
Anderson et al.

(10) **Patent No.:** US 6,968,884 B2
(45) **Date of Patent:** Nov. 29, 2005

(54) **MODULAR TRANSPORT SYSTEM FOR COVERINGS FOR ARCHITECTURAL OPENINGS**

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(75) **Inventors:** Richard Anderson, Whitesville, KY (US); Wendell B. Colson, Weston, MA (US); Steven R. Haarer, White KY (US)

(73) **Assignee:** Hunter Douglas Inc., Upper S River, NJ (US)

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

(21) **Appl. No.:** 10/184,008

(22) **Filed:** Jun. 26, 2002

(65) **Prior Publication Data**

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Related U.S. Application Data

(63) Continuation of application No. 09/528,951, file 20, 2000, now Pat. No. 6,536,503.

(60) Provisional application No. 60/125,776, filed on 1999.

(51) **Int. Cl.⁷**

(52) **U.S. Cl.** 160/170; 160/173 R;

(58) **Field of Search** 160/170; 160/173 R;

160/84.01, 84.02, 84.04, 168.1 R, 173 R, 299; 242/375.3; 185/37; 74/89.2, 89.22, 89, 89.16, 89.21; 188/68

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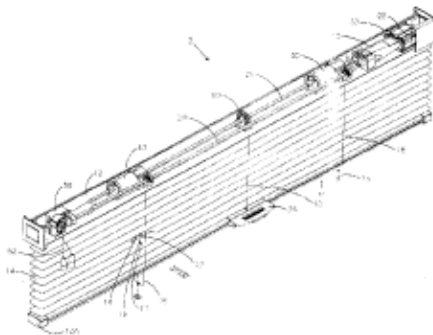
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Theresa Fritz Camoriano; Guillermo Camoriano

(57) **ABSTRACT**

A modular blind transport system for a window blind application. The complete system may be assembled from a relatively small number of individual modules to obtain working systems for a very wide range of applications, including especially a category of counterbalanced blinds wherein a relatively small external input force may be used to raise or lower the blind, and/or to open or close the blind.

14 Claims, 140 Drawing Sheets



Ex. 1001, p. 1

Claim 7 and “One-Way Friction Brake”

Claim 7

7. A system for covering an architectural opening, comprising:

a covering movable between an extended position for covering the opening and a retracted position for uncovering the opening;

a spring motor;

a rotating output operatively connected to the spring motor;

a lift cord operatively connected to the rotating output and to the covering;

said rotating output being rotatable in clockwise and counterclockwise directions to move the covering between its extended and retracted positions; and

a one-way friction brake operatively connected to said rotating output, said one-way friction brake providing braking force opposing the rotation of the rotating output in one of the directions while permitting the rotating output to rotate freely in the other of said directions;

wherein said one-way brake applies a braking force opposing rotation of the rotating output for movement of the covering to the extended position while permitting free rotation for movement of the covering to the retracted position.

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