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Ma et al.

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(54) **SHEAVE FOR ELEVATOR SYSTEM**
(71) Applicant: **Otis Elevator Company**, Farmington, CT (US)
(72) Inventors: **Jun Ma**, Farmington, CT (US); **Peter Keyo**, Canton, CT (US); **Brad Guilani**, Woodstock Valley, CT (US); **Gopal R. Krishnan**, Wethersfield, CT (US); **David J. Lanesey**, Harwinton, CT (US); **John P. Wesson**, West Hartford, CT (US); **David R. Polak**, Glastonbury, CT (US); **Vijay Jagdale**, South Windsor, CT (US)

(73) Assignee: **OTIS ELEVATOR COMPANY**, Farmington, CT (US)

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See application file for complete search history.

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Primary Examiner — Diem M Tran
(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(57) **ABSTRACT**
A belted elevator system (10) includes a hoistway (14) and an elevator car (12) suspended in the hoistway (14) via a suspension member (16) and drivable along the hoistway (14). The suspension member (16) is routed over a plurality of sheaves (18). A sheave (18) of the plurality of sheaves includes a shaft (36) defining a central axis of the sheave (18), the sheave (18) rotatable about the central axis. A sheave outer member (38) is operably connected to the shaft (36) and rotatable about the central axis. The sheave outer member (38) includes a sheave outer surface (44) interactive with the suspension member (16). The sheave outer member (38) is formed from a molded plastic material.

8 Claims, 9 Drawing Sheets

