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Jon W. Dudas

Director of the United States Patent and Trademark Office



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(12) **United States Patent**
Burke

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(54) **TRANSPORTATION AND INSTALLATION ASSIST DEVICE FOR AT LEAST ONE PRE-CAST CONCRETE TILT PANEL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 28 days.

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(57) **ABSTRACT**

A transportation and installation assist device (16) for at least one precast concrete tilt panel. The panel(s) (18) are generally rectangular and have a first shorter end (44) with at least one lifting anchor therein, a second opposed shorter end (48) and a longitudinal axis (50) therebetween. The device (16) includes at least one frame (20) adapted to releasably engage an associated one of the panel(s) (18) substantially adjacent the second end (48) and support the panel (18) in a loading/transport orientation with the face of the associated panel (18) substantially vertical and the axis(es) (50) substantially horizontal. The frame (20) is also adapted for pivotal mounting to a table bed (14) of a truck (10) or trailer (12). The frame (20) and associated panel (18) pivot together when the first panel end (44) is lifted above the second panel end (48) until the associated panel (18) is in a releasing orientation with the face of the panel (18) substantially vertical and the axis (50) substantially vertical. Further lifting of the first panel end (44) releases the panel (18) from the frame (20).

21 Claims, 6 Drawing Sheets

