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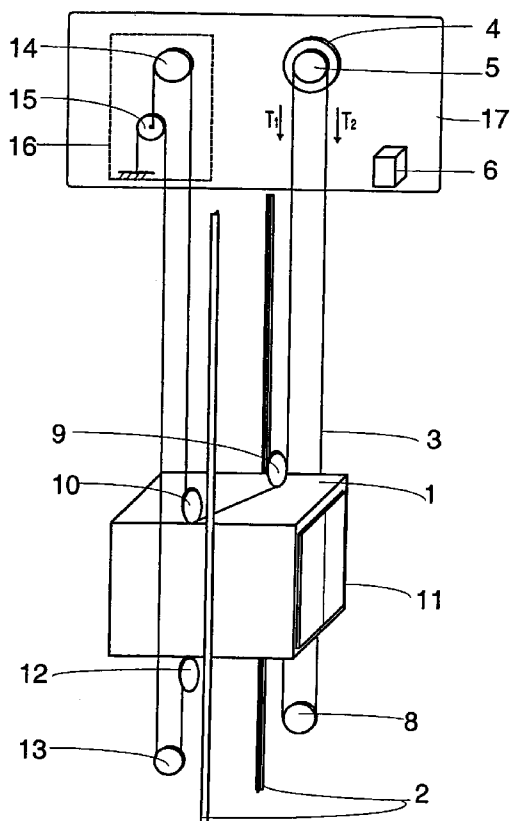
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(54) Title: SAFETY BRAKE FOR ELEVATOR WITHOUT COUNTERWEIGHT



(57) Abstract: Traction sheave elevator without counterweight and method for braking an elevator, in which elevator the elevator car is suspended by means of hoisting ropes consisting of a single rope or several parallel ropes, said elevator having a traction sheave which moves the elevator car by means of the hoisting ropes. In the elevator, when the elevator car is moving upwards in an emergency stop situation the braking of the operating brake of the elevator is at least partially prevented for at least a part of the stopping distance of the elevator.

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