

Title (en)  
ELEVATOR APPARATUS AND METHOD

Title (de)  
AUFZUGVORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCÉDÉ D'ASCENSEUR

Publication  
**EP 3495302 B1 20200219 (EN)**

Application  
**EP 17206184 A 20171208**

Priority  
EP 17206184 A 20171208

Abstract (en)  
[origin: EP3495302A1] The invention relates to an elevator apparatus (1), comprising: a drive unit (3), at least a first and a second brake (11, 12), and a control arrangement (10) controlling operation of the hoisting machine (2) and the at least first and second brake (11, 12). In order to test the brakes, the the control arrangement (10) is configured to test operation of the at least the first and second brake (11, 12) in turns during normal operation runs of the elevator car by triggering only one (11) of the at least first and second brakes (11, 12) to brake, decreasing a force (F) provided from the drive unit (3), monitoring movement of the elevator car (4), and triggering an indication of a failed brake (11) in case movement of the elevator car (4) is detected while the triggered brake (11) brakes.

IPC 8 full level  
**B66B 5/00** (2006.01)

CPC (source: EP)  
**B66B 5/0037** (2013.01); **B66B 5/0031** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3495302 A1 20190612; EP 3495302 B1 20200219**; CN 109896381 A 20190618; CN 109896381 B 20220503; ES 2779768 T3 20200819

DOCDB simple family (application)  
**EP 17206184 A 20171208**; CN 201811485883 A 20181206; ES 17206184 T 20171208