

Title (en)
ELECTROMAGNETIC SAFETY TRIGGER

Title (de)
ELEKTROMAGNETISCHER SICHERHEITSAUSLÖSER

Title (fr)
DÉCLENCHEUR ÉLECTROMAGNÉTIQUE DE SÉCURITÉ

Publication
EP 3587328 A3 20200129 (EN)

Application
EP 19167273 A 20190404

Priority
US 201815947328 A 20180406

Abstract (en)
The present disclosure relates generally to a selectively operable safety brake including a magnetic brake operably coupled to a rod and disposed adjacent to a metal component, the magnetic brake configured to move between an engaging position and a non-engaging position, said magnetic brake, when in the engaging position contemporaneously with motion of the machine, moving the rod in to thereby move the safety brake from the non-braking state into the braking state, and an electromagnetic component including a retention apparatus, the electromagnetic component configured to move the magnetic brake from the engaging position to the non-engaging position upon receipt of a resetting signal.

IPC 8 full level
B66B 5/22 (2006.01)

CPC (source: CN EP)
B66B 5/044 (2013.01 - CN); **B66B 5/18** (2013.01 - CN); **B66B 5/22** (2013.01 - EP)

Citation (search report)

- [X] WO 2017087978 A1 20170526 - OTIS ELEVATOR CO [US]
- [X] US 2011088983 A1 20110421 - SIRIGU GERARD [FR], et al
- [A] WO 2017098299 A1 20170615 - OTIS ELEVATOR CO [US], et al

Cited by
EP3929131A1; US11724908B2; US12077410B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3587328 A2 20200101; EP 3587328 A3 20200129; EP 3587328 B1 20211117; CN 110342367 A 20191018; CN 110342367 B 20210831

DOCDB simple family (application)
EP 19167273 A 20190404; CN 201910271150 A 20190404