

Title (en)

EMERGENCY BRAKING SYSTEM, CONVEYOR SYSTEM AND PRODUCTION AND/OR LOGISTICS SYSTEM

Title (de)

NOTBREMSYSTEM, FÖRDERSYSTEM UND PRODUKTIONS- UND/ODER LOGISTIKANLAGE

Title (fr)

SYSTÈME DE FREINAGE D'URGENCE, SYSTÈME DE TRANSPORT ET INSTALLATION DE PRODUCTION ET/OU LOGISTIQUE

Publication

**EP 3720792 A1 20201014 (DE)**

Application

**EP 18819042 A 20181206**

Priority

- DE 102017222244 A 20171208
- EP 2018083830 W 20181206

Abstract (en)

[origin: WO2019110742A1] An emergency braking system (10) for an electrically driven conveyor vehicle (50), comprising: - a vehicle emergency braking part (20) which is designed for arranging in a fixed position on the conveyor vehicle (50), - a route emergency braking part (30) which is designed for arranging in a fixed position on a route (60) for the conveyor vehicle (50), - wherein the vehicle emergency braking part or the route emergency braking part (30) is designed to be activatable from a free state (FZ) into a braking state (BZ), wherein, in the braking state (BZ), the vehicle emergency braking part (20) interacts with the route emergency braking part (30) in such a manner that the conveyor vehicle (50) is braked by friction between the vehicle emergency braking part (20) and the route emergency braking part (30), and wherein, in the free state (FZ), there is no friction between the vehicle emergency braking part (20) and the route emergency braking part (30); and - an emergency control unit (40) which is operatively connected to the activatable emergency braking part (30) and is designed to detect an emergency situation and, when an emergency situation is detected, to activate the activatable emergency braking part (30) in such a manner that the latter takes up the braking state (BZ).

IPC 8 full level

**B65G 43/02** (2006.01); **B65G 1/04** (2006.01); **B66F 9/075** (2006.01)

CPC (source: EP)

**B65G 1/0421** (2013.01); **B66F 9/07** (2013.01); **B66F 9/07509** (2013.01); **B60L 2200/40** (2013.01); **B60Y 2200/15** (2013.01); **B65G 2207/40** (2013.01); **Y02P 90/60** (2015.11)

Citation (search report)

See references of WO 2019110742A1

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)

**WO 2019110742 A1 20190613**; CN 111670153 A 20200915; CN 111670153 B 20230526; DE 102017222244 A1 20190613; EP 3720792 A1 20201014

DOCDB simple family (application)

**EP 2018083830 W 20181206**; CN 201880088924 A 20181206; DE 102017222244 A 20171208; EP 18819042 A 20181206