

Title (en)
ELECTROMAGNETIC OPERATING APPARATUS

Title (de)
ELEKTROMAGNETISCHE BETÄTIGUNGSVORRICHTUNG

Title (fr)
APPAREIL D'ACTIONNEMENT ÉLECTROMAGNÉTIQUE

Publication
EP 3955273 A4 20220803 (EN)

Application
EP 19924617 A 20190408

Priority
JP 2019015294 W 20190408

Abstract (en)
[origin: EP3955273A1] A manual operation section (20) which manually operates a plurality of switches (200) all at one time includes a shaft (5) which, being pivotably held on a frame (11) of an electromagnetic operation device main body section (10) which operates each of the switches (200), is disposed spanning a region in which are aligned a plurality of the electromagnetic operation device main body sections (10); a handle portion (7) having a grip portion (9) with which to pivotally operate the shaft (5); a plurality of cams (6) mounted on the shaft (5) so as to correspond to each of the electromagnetic operation device main body sections (10); and a link member (3) which, being provided between the shaft (5) and a movable shaft (1) of each of the electromagnetic operation main body sections (10), is pivotably supported on a rotation shaft (3a) supported on the frame (11), and one end portion and the other end portion of which are in contact respectively with each of the cams (6) and with the movable shaft (1), wherein a configuration is such as to cause the shaft (5) to pivot in accordance with opening operation of the handle portion (7), causing a plurality of the movable shafts (1) to move at the same time via the cams (6) and the link members (3).

IPC 8 full level
H01H 33/666 (2006.01)

CPC (source: EP)
H01H 33/666 (2013.01); **H01H 33/6662** (2013.01); **H01H 3/42** (2013.01); **H01H 33/022** (2013.01); **H01H 33/50** (2013.01); **H01H 2033/6667** (2013.01)

Citation (search report)

- [YA] US 2007253124 A1 20071101 - ZHOU XIN [US], et al
- [YA] JP 2010135267 A 20100617 - NISSIN ELECTRIC CO LTD
- [YA] US 2005063107 A1 20050324 - BENKE JAMES J [US]
- [A] US 2013187733 A1 20130725 - BULLOCK SCOTT A [US], et al
- See also references of WO 2020208676A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3955273 A1 20220216; **EP 3955273 A4 20220803**; CN 113614869 A 20211105; JP 6615426 B1 20191204; JP WO2020208676 A1 20210430; TW 202038276 A 20201016; TW I734165 B 20210721; WO 2020208676 A1 20201015

DOCDB simple family (application)
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