

Title (en)
CONTROL DEVICE AND CONTROL METHOD

Title (de)
STEUERUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN

Title (fr)
DISPOSITIF DE COMMANDE ET PROCÉDÉ DE COMMANDE

Publication
EP 4254460 A1 20231004 (EN)

Application
EP 23164827 A 20230328

Priority
JP 2022061862 A 20220401

Abstract (en)
A control device includes: an acquisition unit configured to acquire the number of relays to be driven having an identical specification; and an output unit configured to output a pulse current to a plurality of relays to be driven, at shifted output timings in a case where the number of relays acquired by the acquisition unit is plural. The output unit is configured to determine a difference in output timing of the pulse current between relays adjacent in an order of output of the pulse current based on a duty ratio of the pulse current and the number of relays acquired by the acquisition unit.

IPC 8 full level
H01H 47/00 (2006.01); **H01H 47/04** (2006.01); **H01H 47/18** (2006.01); **H01H 47/32** (2006.01)

CPC (source: CN EP)
H01H 47/001 (2013.01 - EP); **H01H 47/04** (2013.01 - CN EP); **H01H 47/18** (2013.01 - EP); **H01H 47/22** (2013.01 - CN);
H01H 47/325 (2013.01 - EP)

Citation (applicant)
JP 2006114446 A 20060427 - SUMITOMO WIRING SYSTEMS

Citation (search report)
• [A] US 6232675 B1 20010515 - SMALL KENNETH T [US]
• [A] JP 2011216229 A 20111027 - SUZUKI MOTOR CORP
• [A] JP 2008261267 A 20081030 - MITSUBISHI ELECTRIC CORP

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4254460 A1 20231004; **EP 4254460 B1 20240925**; CN 116895494 A 20231017; JP 2023151972 A 20231016

DOCDB simple family (application)
EP 23164827 A 20230328; CN 202310317227 A 20230328; JP 2022061862 A 20220401