

(19)



(11)

**EP 4 084 420 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**15.02.2023 Bulletin 2023/07**

(51) International Patent Classification (IPC):  
**H04L 12/403<sup>(1995.01)</sup> H04L 12/12<sup>(1990.01)</sup>**  
**H04L 12/10<sup>(1990.01)</sup>**

(43) Date of publication A2:  
**02.11.2022 Bulletin 2022/44**

(52) Cooperative Patent Classification (CPC):  
**H04L 12/403; B60W 50/0098; B60W 50/023;**  
**H04L 12/10; B60W 2050/0006**

(21) Application number: **22171010.6**

(22) Date of filing: **29.04.2022**

(84) Designated Contracting States:  
**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 States:  
**BA ME**  
Designated Validation States:  
**KH MA MD TN**

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(30) Priority: **30.04.2021 CN 202110482686**

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(54) **VEHICLE AND CONTROL SYSTEM FOR VEHICLE**

(57) This application provides a vehicle and a control system for a vehicle. The control system includes a plurality of domain controllers and a central controller. The central controller includes a plurality of first central communications interfaces, each of the plurality of domain controllers includes a first domain communications interface, and the plurality of first central communications interfaces and a plurality of first domain communications interfaces form a plurality of communications interface pairs. The central controller communicates with the plurality of domain controllers through the plurality of com-

munications interface pairs respectively. In addition, each of at least two domain controllers in the plurality of domain controllers further includes a second domain communications interface, and the at least two domain controllers communicate with each other through the second domain communications interfaces. The control system provided in embodiments of this application can form communication redundancy between the central controller of the vehicle and the at least two domain controllers, to improve security of the control system for the vehicle.

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The present search report has been drawn up for all claims

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Place of search  
**Munich**

Date of completion of the search  
**9 January 2023**

Examiner  
**Mircescu, Alexander**

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CATEGORY OF CITED DOCUMENTS

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| The present search report has been drawn up for all claims   |  |  | TECHNICAL FIELDS SEARCHED (IPC)         |
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| Munich   |  | 9 January 2023   | Mircescu, Alexander                     |
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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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**see sheet B**

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number  
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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**1. claims: 1-9**

**Communication network with a central communication  
controller and several domain communication controllers.**

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**2. claims: 10-15**

**Power supply network with a central power supply controller  
and several domain power supply controllers.**

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