

Title (en)  
Information transmission device and information transmission method

Title (de)  
Informationsübertragungsvorrichtung und -methode

Title (fr)  
Dispositif et méthode pour la transmission des données

Publication  
**EP 2591974 A2 20130515 (EN)**

Application  
**EP 12191372 A 20121106**

Priority  
JP 2011245045 A 20111109

Abstract (en)  
An information transmission method and device in which a device can determine and automatically set information such as IP address based on position information and arrangement order that are detected is provided. When new position information and information about arrangement order are needed, each data processing device transmits position confirmation data to a branch transmission line. The position confirmation data includes information designating a transmission direction to a main transmission line or the branch transmission line. When a relay device receives the position confirmation data, the relay device relays the position confirmation data to a predetermined direction. Each data processing device determines the position information and information about arrangement order of the own device and the like, based on the number, data content and the like of the position confirmation data received from the relay device.

IPC 8 full level  
**B61L 25/02** (2006.01); **B61L 15/00** (2006.01)

CPC (source: EP)  
**B61L 15/0036** (2013.01); **B61L 25/028** (2013.01)

Citation (applicant)  
JP 2005175904 A 20050630 - TOSHIBA CORP

Cited by  
EP4026721A4; US10377399B2; US10017195B2

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 2591974 A2 20130515**; CN 103108058 A 20130515; JP 2013102624 A 20130523; JP 5520917 B2 20140611

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**EP 12191372 A 20121106**; CN 201210441260 A 20121107; JP 2011245045 A 20111109