

## Title (en)

A connection detecting connector and a connection detecting connector assembly

## Title (de)

Verbinder mit Kupplungserkennungsmitteln und Verbinderanordnung

## Title (fr)

Connecteur ayant des moyens de détection d'engagement et assemblage de connecteurs

## Publication

**EP 1703599 A1 20060920 (EN)**

## Application

**EP 06003270 A 20060217**

## Priority

JP 2005071259 A 20050314

## Abstract (en)

An object of the present invention is to provide a connection detecting connector for preventing a slider from starting moving during a connecting operation, thereby guaranteeing a proper connection. While forces are accumulated in springs 50 during a connecting operation, upright surfaces of a main stopper portion 41 and a locking hole 32 of a lock arm 24, i.e. the surfaces thereof extending in a direction substantially normal to a retreating direction of a slider 20, are opposed to each other. Thus, even if spring forces act, no components of force are created in such a direction as to disengage the slider 20. Therefore, there is no likelihood that a locked state of two connector housings 1, 10 are canceled to let the slider 20 move backward during the connecting operation of the two connector housings 1, 10. The locked state of two connector housings 1, 10 is reinforced, whereas the main stopper portion 41 is forcibly displaced as being pushed up by a locking projection 13 in such a direction as to be disengaged from the locking projection 13. Therefore, the locked state of the two connector housings 1, 10 can be securely canceled.

## IPC 8 full level

**H01R 13/627** (2006.01); **H01R 13/635** (2006.01); **H01R 13/641** (2006.01)

## CPC (source: EP)

**H01R 13/6272** (2013.01); **H01R 13/635** (2013.01); **H01R 13/641** (2013.01)

## Citation (applicant)

JP 2000082541 A 20000321 - SUMITOMO WIRING SYSTEMS

## Citation (search report)

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- [X] US 6027364 A 20000222 - FUKUDA MASARU [JP]
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## Designated contracting state (EPC)

DE FR

## DOCDB simple family (publication)

**EP 1703599 A1 20060920**; **EP 1703599 B1 20090812**; DE 602006008371 D1 20090924; JP 2006253073 A 20060921; JP 4419875 B2 20100224

## DOCDB simple family (application)

**EP 06003270 A 20060217**; DE 602006008371 T 20060217; JP 2005071259 A 20050314