

Title (en)

PARTIAL REDUNDANCY FOR I/O MODULES OR CHANNELS IN DISTRIBUTED CONTROL SYSTEMS

Title (de)

PARTIELLE REDUNDANZ FÜR E/A-MODULE ODER KANÄLE IN VERTEILTEN STEUERUNGSSYSTEMEN

Title (fr)

REDONDANCE PARTIELLE POUR DES MODULES D'ENTRÉE/SORTIE (E/S) OU DES CANAUX DANS DES SYSTÈMES DE COMMANDE DISTRIBUÉS

Publication

EP 3170082 A1 20170524 (EN)

Application

EP 14897648 A 20140715

Priority

US 2014046697 W 20140715

Abstract (en)

[origin: WO2016010521A1] An apparatus includes at least one first input/output (I/O) module (204) having multiple first I/O channels (224, 228). Each first I/O channel (224, 228) is configured to provide a communication path. The apparatus also includes a second I/O module (212) having multiple second I/O channels (244, 248). Each second I/O channel (244) is configured to provide a redundant communication path for one of the first I/O channels (224). The apparatus is configured to provide the redundant communication paths for only a subset of the first I/O channels (224, 228). The first I/O channels (224, 228) may include critical I/O channels (224) and non-critical I/O channels (228), and the apparatus may be configured to provide the redundant communication paths for only the critical I/O channels (224).

IPC 8 full level

G06F 11/07 (2006.01); **G06F 13/14** (2006.01)

CPC (source: EP)

G05B 19/0425 (2013.01); **G06F 11/2005** (2013.01); **G06F 11/2017** (2013.01); **G05B 2219/14016** (2013.01); **G05B 2219/14126** (2013.01); **G05B 2219/37325** (2013.01); **G05B 2219/42318** (2013.01); **G06F 11/0745** (2013.01); **G06F 11/0751** (2013.01)

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Designated extension state (EPC)

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