

Title (en)  
Intelligent distributed control for elevators.

Title (de)  
Intelligente verteilte Steuerung für Aufzüge.

Title (fr)  
Commande intelligente décentralisée pour ascenseurs.

Publication  
**EP 0663366 A1 19950719 (EN)**

Application  
**EP 94120379 A 19941222**

Priority  
US 18030694 A 19940112

Abstract (en)  
Distributed processing units (DPU) are applied to elevator dispatching and back-up architecture. They are localizing the processing functions by sensing and controlling local devices and serially transmitting up-dates to other DPUs via one or more communication media (18). This makes it possible to confine the wiring to local levels eliminating the need for a centralized processor. The distributed processing units (DPU) are designed as floor processing units (FPUa,FPUb,...) one on each floor (E1...), car processing units (CPUa,CPUb,...) in each car (2), group processing units (GPUa,GPUb,...) and signalling processing units (SPUa,SPUb,...) in the machine room (22). They all possess intelligence to communicate and to perform local control algorithms. The distributed control is structured as a neural network, the nodes being implemented by the distributed processing units (DPU). Depending on the function to be processed, there are main nodes (A0,B0,C0...) with additional back-up nodes (Aa,Ba,Ca...) and auxiliary nodes (A1,A2,A3...). The inventive, distributed control is characterized by modularity, configurability and simplicity, providing reduced development cycle, ease of maintenance and increased reliability. <IMAGE>

IPC 1-7  
**B66B 1/18**

IPC 8 full level  
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CPC (source: EP)  
**B66B 1/18** (2013.01)

Citation (search report)  
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