

Title (en)
MAN CONVEYOR CONTROLLER, AND MAN CONVEYOR

Title (de)
STEUERUNG FÜR PERSONENBEFÖRDERUNGSEINRICHTUNG UND PERSONENBEFÖRDERUNGSEINRICHTUNG

Title (fr)
UNITE DE COMMANDE POUR TAPIS ROULANT DE TRANSPORT DE PERSONNES, ET TAPIS ROULANT DE TRANSPORT DE PERSONNES

Publication
EP 1394097 A4 20070321 (EN)

Application
EP 01941256 A 20010626

Priority
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Abstract (en)
[origin: EP1394097A1] When switching of a passenger conveyor from low-speed operation to high-speed operation is effected, a drive motor (2) connected to conversion device (1) connected to utility power (R, S, T) is disconnected from the conversion device (1). Subsequently, when a residual voltage of the motor (2) has dropped, the motor (2) is connected directly to the utility power (R, S, T). Even when switching from high-speed operation to low-speed operation is effected, the motor (2) connected directly to the utility power (R, S, T) is disconnected from the utility power (R, S, T). Subsequently, while the residual voltage of the motor (2) has dropped, the motor (2) is connected directly to the conversion device (1). As a result, switching between low-speed operation and high-speed operation can be effected without involvement of switching shock or noise and by means of a low-cost configuration. <IMAGE>

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CPC (source: EP KR)
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Citation (search report)
• [X] US 4748394 A 19880531 - WATANABE EIKI [JP]
• [X] JP 2000229776 A 20000822 - HITACHI LTD, et al
• [X] WO 9818711 A1 19980507 - OTIS ELEVATOR CO [US]
• [X] GB 2175761 A 19861203 - OTIS ELEVATOR CO
• [A] DE 3617620 A1 19861204 - OTIS ELEVATOR CO [US]
• [A] DE 4313424 A1 19941027 - O & K ROLLTREPPEN GMBH [DE]
• [A] JP H0382394 A 19910408 - MITSUBISHI ELECTRIC CORP
• See references of WO 02057174A1

Cited by
EP2743228A1; US2014166434A1; US9120647B2; US8384337B2; US10399823B2; WO2009112629A1; WO2017036509A1

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