

Title (en)
Transport installation with two vertically spaced rails and comprising a switch

Title (de)
Fördervorrichtung mit Weiche bei Übereinanderanordnung der Laufbahnen

Title (fr)
Installation de transport avec deux rails superposés et comportant un aiguillage

Publication
EP 1614804 A1 20060111 (DE)

Application
EP 05013955 A 20050628

Priority
DE 102004031444 A 20040629

Abstract (en)
The system has a conveyor course with two tracks (22, 24) stacked one above the other, and a conveyor carriage with two track rollers. A shunt unit (52) connects a main portion of the tracks with secondary portions of the tracks. A shunt unit (58) is associated with the track (22) and selectively opens or closes a through opening (60), provided in the track (22), for a bracketlike mounting unit of the carriage.

IPC 8 full level
B61B 3/00 (2006.01); **B61B 13/04** (2006.01); **E01B 25/12** (2006.01); **E01B 25/26** (2006.01)

CPC (source: EP US)
B61B 13/04 (2013.01 - EP US)

Citation (applicant)
• US 3646656 A 19720307 - ZILAHY ZOLTAN E, et al
• US 4331229 A 19820525 - KAMM LAWRENCE J
• EP 0659624 A1 19950628 - VANDERLANDE IND NEDERLAND [NL]
• EP 0109459 A1 19840530 - SCHENCK AG CARL [DE]
• DE 1147893 B 19630425 - SIEMENS AG
• US 5960938 A 19991005 - CLOPTON ROBERT T [US]
• US 6062378 A 20000516 - CLOPTON ROBERT T [US]
• US 6237755 B1 20010529 - CLOPTON ROBERT T [US]
• DE 2107002 A1 19720831

Citation (search report)
• [A] DE 2107002 A1 19720831
• [A] DE 2444323 A1 19760325 - HECKERT JOHANNES
• [A] DE 3134203 A1 19830317 - HECKERT JOHANNES
• [A] DE 10014504 A1 20010927 - WOERZBERGER RALF [DE]
• [A] EP 0829578 A2 19980318 - WERGLES MARX [CH]
• [A] US 2004025738 A1 20040212 - CHAPMAN LAWRENCE HUGH [NZ]
• [AD] US 5960938 A 19991005 - CLOPTON ROBERT T [US]

Designated contracting state (EPC)
DE ES FR GB IT

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