

Title (en)
vending unit and transport trolley

Title (de)
Ausgabestation und Transportwagen

Title (fr)
unité de distribution et chariot de transport

Publication
EP 2439704 B1 20150902 (DE)

Application
EP 11183324 A 20110929

Priority
DE 102010047607 A 20101007

Abstract (en)
[origin: EP2439704A1] The output station comprises a guide rail, an additional blocking device, a passage barrier and a collecting unit. The passage barrier is electrically connected with the collecting unit, where the passage barrier is arranged in the guide rail. The mechanical pulling or removal of a trolley is prevented, when the output station is not supplied with the electricity. An independent claim is also included for a trolley with a wheel fork.

IPC 8 full level
G07F 7/06 (2006.01)

CPC (source: EP)
G07F 7/0627 (2013.01)

Citation (examination)
• WO 0053871 A1 20000914 - LISTA EUROP HOLDING AG [CH], et al
• US 4377227 A 19830322 - SANDFORD DON L [GB]

Citation (opposition)
Opponent : EXPRESSO Deutschland GmbH
• DE 20318742 U1 20040415 - WANZL METALLWARENFABRIK KG [DE]
• WO 9012378 A1 19901018 - QUALITY VENDING PTY LIMITED [AU]
• DE 3112655 A1 19821014 - WANZL KG RUDOLF [DE]
• WO 2004069626 A1 20040819 - WANZL METTALLWARENFABRIK GMBH [DE], et al
• DE 10242631 A1 20040318 - WANZL METALLWARENFABRIK KG [DE]
• DE 2941732 A1 19810423 - MANSS FA AUGUST [DE]
• EP 0360264 A2 19900328 - BEYER KG WOLFGANG [DE]
• CH 652292 A5 19851115 - MANSS FA AUGUST
• WO 0053871 A1 20000914 - LISTA EUROP HOLDING AG [CH], et al
• US 4377227 A 19830322 - SANDFORD DON L [GB]
• WO 9608796 A1 19960321 - SMARTE CARTE INC [US]
• DE 3900538 A1 19900712 - FUCHS PETER [DE], et al
• DE 8802655 U1 19880707

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2439704 A1 20120411; EP 2439704 B1 20150902; DE 102010047607 A1 20120412; ES 2550394 T3 20151106

DOCDB simple family (application)
EP 11183324 A 20110929; DE 102010047607 A 20101007; ES 11183324 T 20110929