

Title (en)

SPEED MONITORING METHOD IN AN AUTOMATION SYSTEM FOR A CONVEYOR INSTALLATION

Title (de)

GESCHWINDIGKEITSÜBERWACHUNGSVERFAHREN IN EINEM AUTOMATISIERUNGSSYSTEM FÜR EINE FÖRDERANLAGE

Title (fr)

PROCEDE DE SURVEILLANCE DE LA VITESSE DANS UN SYSTEME AUTOMATISE POUR UN DISPOSITIF D'EXTRACTION

Publication

EP 1819622 A1 20070822 (DE)

Application

EP 05817038 A 20051201

Priority

- EP 2005056367 W 20051201
- DE 102004058756 A 20041206

Abstract (en)

[origin: WO2006061346A1] The invention relates to a speed monitoring method in an automation system (4) for a conveyor installation (2), particularly for a pit. A speed monitoring method is provided that eliminates the need for detection elements for determining position that are arranged along the path of conveyance. An actual path value (X_{a}) and an actual speed value (v_a) are determined by means of at least one pulse counter (18, 20, 22). The actual path value (X_{a}) is used for reading out a speed limiting value (v_{2}) from a data table, which is stored in the automation system (4) and which represents a stepped limiting value curve (46) and for comparing the actual speed value (v_a) with the read out speed limiting value (v_{2}).

IPC 8 full level

B66B 1/16 (2006.01); **B66B 5/06** (2006.01)

CPC (source: EP US)

B66B 1/16 (2013.01 - EP US); **B66B 5/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2006061346A1

Designated contracting state (EPC)

DE ES PL

DOCDB simple family (publication)

DE 102004058756 A1 20060614; CA 2590724 A1 20060615; CA 2590724 C 20131119; CN 101115669 A 20080130; CN 101115669 B 20130410; EP 1819622 A1 20070822; EP 1819622 B1 20150715; ES 2549307 T3 20151026; PL 1819622 T3 20151231; RU 2007125419 A 20090120; RU 2392215 C2 20100620; US 2008262647 A1 20081023; US 7577495 B2 20090818; WO 2006061346 A1 20060615; ZA 200704290 B 20080925

DOCDB simple family (application)

DE 102004058756 A 20041206; CA 2590724 A 20051201; CN 200580047799 A 20051201; EP 05817038 A 20051201; EP 2005056367 W 20051201; ES 05817038 T 20051201; PL 05817038 T 20051201; RU 2007125419 A 20051201; US 79232505 A 20051201; ZA 200704290 A 20070525