Title (en)
   Distance security method for trains

Title (de)
   Verfahren zur Abstandssicherung von Zügen

Title (fr)
   Procédé de sécurité de distance pour trains

Publication
   EP 1118522 B1 20060322 (DE)

Application
   EP 01250020 A 20010116

Priority
   DE 10002908 A 20000119

Abstract (en)
   [origin: EP1118522A2] The method involves trains receiving information by radio from a control centre managing the stretch of track and/or from preceding trains regarding the fee stretch of track ahead. Trains transmit their desired axle count (SA Z1) and identity (J Z1) to radio axle counters (A1,A2) along the track that count the actual number of axles, store or compare this with the desired number and form an identifier (K Z1) if the numbers coincide. A following train (Z2) requests information regarding the preceding train (Z1) at the latest on reaching the braking point for the sensors. If the preceding train has completely passed, the counter transmits the desired and actual axle numbers or identifier to the following train, which concludes that the track is fee to the next sensor or busy.

IPC 8 full level
   B61L 29/00 (2006.01); **B61L 1/14** (2006.01)

CPC (source: EP)
   B61L 1/14 (2013.01); **B61L 29/00** (2013.01)

Cited by
   CN108216308A; CN106515797A

Designated contracting state (EPC)
   AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
   EP 1118522 A2 20010725; **EP 1118522 A3 20021030**; **EP 1118522 B1 20060322**; AT E320955 T1 20060415; DE 10002908 A1 20010726; DE 50109283 D1 20060511; DK 1118522 T3 20060724; ES 2258507 T3 20060901; PT 1118522 E 20060731

DOCDB simple family (application)
   EP 01250020 A 20010116; AT 01250020 T 20010116; DE 10002908 A 20000119; DE 50109283 T 20010116; DK 01250020 T 20010116; ES 01250020 T 20010116; PT 01250020 T 20010116