

Title (en)

Automatic set and release hand brake

Title (de)

Automatische Setz- und Löse- Handbremse

Title (fr)

Frein à main à serrage et desserrage automatique

Publication

EP 1529710 B1 20070314 (EN)

Application

EP 03292752 A 20031104

Priority

EP 03292752 A 20031104

Abstract (en)

[origin: EP1529710A1] An automatic application hand brake apparatus is provided for automatically applying at least one brake member secured to a railway vehicle with the hand brake assembly (20). The apparatus comprises an operating member having at least one ratchet attached to a drive shaft (24) of said hand brake assembly (20). The apparatus also includes an application cylinder (320) connected to a drive arm (340) pivotally attached to said drive shaft (24) and containing and operating pawl (354) engaging said operating ratchet (350). The reciprocating motion of the drive arm (340) caused by the application cylinder (320) enables reciprocal rotation of the operating arm and furthermore causing application of at least one brake member. A control means (200) is connected to the source of the fluid pressure for initiating and regulating the supply of fluid pressure to the application cylinder (320). An additional control means (200) is connected to the source of the fluid pressure for stopping an automatic application of such brake means in case of the emergency or a reversal of the unintended activation. <IMAGE>

IPC 8 full level

B61H 13/04 (2006.01)

CPC (source: EP)

B61H 13/04 (2013.01)

Cited by

CN109292142A; CN109292140A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1529710 A1 20050511; EP 1529710 B1 20070314; AT E356740 T1 20070415; DE 60312524 D1 20070426; DE 60312524 T2 20071129

DOCDB simple family (application)

EP 03292752 A 20031104; AT 03292752 T 20031104; DE 60312524 T 20031104