

Title (en)
Improvements Relating to railway track switches.

Title (de)
Weiche.

Title (fr)
Aiguille.

Publication
EP 0596595 A1 19940511 (EN)

Application
EP 93306373 A 19930812

Priority
GB 9217160 A 19920813

Abstract (en)
A claw lock mechanism for a railway turnout comprises a pair of stock rail brackets (1), each of which is located on a stock rail (2) at a position in the region of the toe of an adjacent tongue rail, and each of which has an open-ended passage extending transversely beneath the stock rail (2), a drive bar (20) which extends through and beyond the passage of each bracket (1) for moving the tongue rails between each operating position, and a pair of claw arms (22) each of which extends through the passage of one of the brackets (1). One end of each arm (22) is pivotally fixed (at least indirectly) to one of the tongue rails and the other end thereof has a claw (23) which can engage a notch (34) in the drive bar (20) to allow both the drive bar and the claw arm to slide through the passage until the associated tongue rail contacts the stock rail (2). Further movement of the drive bar through the passage forces the claw (23) out of the notch (34) and locks the arm (22) in the passage thereby preventing inadvertent movement of the tongue rail away from the stock rail. According to the invention each stock rail bracket (1) is immovably secured to its associated stock rail and at least a major part of the peripheral surface of each transversely extending passage is defined by a carriage (24) that is located within the bracket (1) and can be moved at least to a limited extent in a direction lengthwise with respect to the stock rail (2) directly by the drive rod (20) or the claw arm (22) bearing on a surface of the carriage (24) defining the passage. This form of mechanism is relatively simple to manufacture and is reliable.
<IMAGE>

IPC 1-7
E01B 7/02

IPC 8 full level
E01B 7/02 (2006.01)

CPC (source: EP)
E01B 7/02 (2013.01)

Citation (search report)
[DA] DE 3115943 A1 19821111 - PEDDINGHAUS CARL DAN GMBH [DE]

Cited by
WO2018121502A1

Designated contracting state (EPC)
AT DE FR GB IT PT SE

DOCDB simple family (publication)
EP 0596595 A1 19940511; GB 9217160 D0 19920923

DOCDB simple family (application)
EP 93306373 A 19930812; GB 9217160 A 19920813