

Title (en)
Running mechanism and displacement device

Title (de)
Laufwerk sowie Verschiebeeinrichtung

Title (fr)
Curseur à galets et dispositif de déplacement

Publication
EP 0603496 B1 19970205 (DE)

Application
EP 93117231 A 19931025

Priority
CH 394192 A 19921223

Abstract (en)
[origin: EP0603496A1] A running mechanism (1) exhibits at least one carrying roller (3b), which can rotate about a horizontal axis and runs on a running surface (14) of a running rail, as well as two guide rollers (4b) which follow one after the other in the running direction, can rotate about vertical axes and engage from beneath into a vertical guide groove (15) provided beneath the running surface (14). In order to stabilise against moments which act on a rotation of the running mechanism (1) about an axis parallel to the running direction, said running mechanism exhibits, moreover, two stabilising rollers (7b) which follow one after the other in the running direction, engage from above into a vertical stabilising groove (16) and each of which is arranged precisely above one of the guide rollers. If the mechanism (1) is also to be stabilised against moments which act on a rotation of the same about an axis which is transverse to the running direction, then it is equipped with two carrying rollers which follow one after another in the running direction. In addition, the running rail exhibits a covering surface (23) which is parallel to the running surface (14) and is spaced apart from the same by a little more than the diameter of the carrying rollers, with the result that lifting of the carrying rollers and thus rotation of the running mechanism (1) about an axis which is transverse to the running direction are confined within narrow limits. <IMAGE>

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Cited by
CN103193134A; EP1589173A3; CN106761102A; EP0679788A1; GB2293306A

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