Title (en)

BARRIER MECHANISM

Title (de

SPERRMECHANISMUS

Title (fr)

MÉCANISME DE BARRIÈRE

Publication

EP 4150159 A1 20230322 (EN)

Application

EP 21728297 A 20210512

Priority

- PT 11638020 A 20200514
- IB 2021054043 W 20210512

Abstract (en

[origin: WO2021229459A1] The present application describes a barrier mechanism for level crossing control systems. This new mechanism presents a set of differentiated requirements and solutions, whereby the main distinctive characteristic is the boom balance system which does not use the conventional counterweights, resulting in a reduction in the operational space of the barrier, avoiding possible accidents with workers and passers-by, minimizing as well the material damages. To achieve the indicated objective, guaranteeing the balance and stability in the movement of the boom a set of compression springs is used which exert more, or less, force on the main shaft according to the position in which the boom is found. Another important characteristic of the barrier lies in the mechanics and the transmission systems used, which present high levels of reliability.

IPC 8 full level

E01F 13/06 (2006.01); B61L 29/02 (2006.01)

CPC (source: EP)

B61L 29/04 (2013.01); E01F 13/06 (2013.01)

Citation (search report)

See references of WO 2021229459A1

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