

Title (en)  
Permanent-magnet railway brake.

Title (de)  
Dauermagnetschienenbremse.

Title (fr)  
Frein ferroviaire à aimant permanent.

Publication  
**EP 0087027 A1 19830831 (DE)**

Application  
**EP 83101064 A 19830204**

Priority  
CH 112682 A 19820224

Abstract (en)  
1. Permanent magnet rail brake (10) having a number of permanent magnets (12) arranged one after the other and having a number of ferromagnetic pole pieces (13) and wear bodies (14) arranged one after the other, characterised in that the poles of all permanent magnets (12) are arranged in the same direction and that the number of pole pieces (13) is twice as great as the number of permanent magnets (12), so that a permanent magnet is allocated to every second pole piece (13), and that the pole pieces (13) are arranged plate-like between the wear bodies (14) and the permanent magnets (12).

Abstract (de)  
Um die Dauermagnetschienenbremse (10) einerseits möglichst klein und leicht bauen zu können und andererseits durch Verschiebung der permanentmagnete 12 den Magnetfluss beim Lösen der Bremse vollständig kurzschliessen zu können, werden erfindungsgemäss eine Anzahl von hintereinander angeordneten gleich polarisierten Permanentmagneten 12 verschiebbar gelagert, wobei jedem Permanentmagnet 12 zwei benachbarte Polstücke 13 einer Reihe von Polstücken 13 zugeordnet ist.

IPC 1-7  
**B61H 7/08**

IPC 8 full level  
**B61H 7/08** (2006.01)

CPC (source: EP)  
**B61H 7/08** (2013.01)

Citation (search report)  
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