

Title (en)
Aimant permanent commutable.

Title (de)
Schaltbarer Permanentmagnet.

Title (fr)
Switchable permanent magnet.

Publication
EP 0114259 A1 19840801 (DE)

Application
EP 83112000 A 19831130

Priority
CH 752582 A 19821223

Abstract (en)
1. Switchable permanent magnet for a rail-vehicle brake, containing a stator with two pole pieces (2) located opposite one another, a fixed permanent magnet (3) arranged between the two pole pieces (2) and with one pole face (31) resting against at least one of the two pole pieces (2), and a rotary magnet (6) formed from a rotatable permanent magnet (4) with two segment-shaped pole shoes (5) fastened to the pole faces (41), characterized in that the rotary magnet (6) is arranged rotatably underneath the fixed permanent magnet (3) in segment-shaped recesses (7) in the two pole pieces (2), in that each lower pole-piece end (20) projects beyond the rotary part and with its end face (10) forms the effective magnet surface, and in that a recess (21) is made on the outside of the pole-piece end (20).

Abstract (de)
Bei diesem schaltbaren Permanentmagneten, der einen feststehenden (3) und einen drehbaren Permanentmagneten (4) enthält, erfolgt die Ein- und Ausschaltung bzw. stufenlose Regelung des magnetischen Flusses durch Verdrehung des Drehmagneten (6) um 90 oder um 180°. Zwecks Vermeidung der unerwünschten magnetischen Restkraft in der Ausschaltstellung wird am Polschuhende (20) eine Aussparung (21) angebracht, zur Umlenkung der gradlinig nach unten verlaufenden Kraftlinien im Polschuhende (20).

IPC 1-7
B61H 7/08

IPC 8 full level
B61H 7/08 (2006.01); **H02K 49/10** (2006.01)

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

Citation (search report)

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- DE 2704118 A1 19771110 - WALKER HAGOU BV
- FR 873139 A 19420630 - DEUTSCHE EDELSTAHLWERKE AG
- DE 964194 C 19570516 - BOSCH GMBH ROBERT
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