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Natural escapement

Title (de)  
Natürliche Entlüftung

Title (fr)  
Echappement naturel

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Application  
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- EP 13199427 A 20131223
- CH 10572014 A 20140711
- EP 14176816 A 20140711
- CH 14162014 A 20140919
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- CH 14442014 A 20140924
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Abstract (en)  
[origin: WO2015096979A2] The invention relates to an escapement mechanism (10) comprising a stop (30) between a resonator (20) and two escapement trains (40A; 40B), each subjected to a torque. Each escapement train (40A; 40B) comprises a track (50) that is magnetized or ferromagnetic for a period (PD). Said stop (30) comprises at least one magnetized or ferromagnetic pole shoe (3) that is transversely movable relative to the movement of one surface (4) of the track (50). The pole shoe (3) or the track (50) creates a magnetic field between the pole shoe (3) and the surface (4), and the pole shoe (3) is placed opposite a magnetic field barrier (46) on the track (50) just before each transverse movement of the stop (30), periodically controlled by the resonator (20). The escapement trains (40A; 40B) are each arranged such as to alternately engage with the stop (30) and are linked to one another by a direct kinematic link.

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Citation (search report)

- [A] US 2690646 A 19541005 - FRANK CLIFFORD CECIL
- [A] US 2946183 A 19600726 - FRANK CLIFFORD CECIL
- [A] CH 339582 A 19590630 - HAMILTON WATCH CO [US]

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