

Title (en)
FALL PROTECTION DEVICE

Title (de)
FALLSCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF ANTI-CHUTE

Publication
EP 3278840 B1 20190313 (EN)

Application
EP 16182127 A 20160801

Priority
EP 16182127 A 20160801

Abstract (en)
[origin: EP3278840A1] A fall protection device (100) adapted to be connected to a safety belt (200) is provided, including a frame (10) forming a containing space (120), a shaft lever (20) provided on the frame (10), a retard member (30), and a rotary drum (40). The retard member (30) is pivotally provided on the shaft lever (20) rotatably, which is received in the containing space (120), and has a friction surface (31). The rotary drum (40) is fitted around the retard member (30), and has an outer surface (460) and an inner surface (440); the outer surface (460) is adapted to be wound by the safety belt (200), and the inner surface (440) faces to the friction surface (31). In a first operating state, the retard member (30) and the rotary drum (40) rotate coaxially. In a second operating state, the rotary drum (40) rotates relative to the fixed retard member (30). A rotational friction is generated between the friction surface (31) and the inner surface (440), which slows down the rotational speed of the rotary drum (40).

IPC 8 full level
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CPC (source: EP)
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Cited by
WO2022012840A1; FR3139727A1; EP3939670A1; US2022161072A1

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