

Title (en)
Fall arrest device with blocking catch

Title (de)
Fallschutzgerät mit sperrender Zuhaltung

Title (fr)
Dispositif antichute à galet bloqueur

Publication
EP 1525903 A1 20050427 (FR)

Application
EP 04354024 A 20040623

Priority
FR 0312247 A 20031020

Abstract (en)
A centrifugal coupling is arranged between a drive member of a locking roller and a support arm to occupy disengaged or engaged position. The centrifugal coupling has a flyweight movable along the arm of drive member against a tension spring, and a connecting interface engaged inside the cylindrical rim of support arm to transmit elastic force of spring to flyweight. The device (10) has a body (16) having a movable security system (18) with the support arm articulated on a first spindle (24) of the body. The locking roller, consists of a cylindrical wheel, is mounted to rotate freely on a second spindle attached to the support arm.

Abstract (fr)
Un dispositif antichute suiveur est doté d'un système de retenue comportant un bras support 26 articulé, un galet 28 en forme de roue cylindrique montée à rotation libre sur un axe 30 solidaire du bras support 26, et un accouplement mécanique 38 centrifuge. Ce dernier comprend au moins une masselotte 40 mobile le long d'une rampe 42 de l'organe d'entraînement 33 à l'encontre d'un ressort de compression 46, et un interface de liaison 45 engagé à l'intérieur d'un rebord 44 cylindrique du bras support 26 pour transmettre la force élastique du ressort 46 à la masselotte 40. <IMAGE>

IPC 1-7
A62B 1/14

IPC 8 full level
A62B 35/00 (2006.01); **A47L 3/04** (2006.01); **A62B 1/10** (2006.01); **A62B 1/14** (2006.01); **A62B 1/16** (2006.01)

CPC (source: EP US)
A62B 1/10 (2013.01 - EP US); **A62B 1/14** (2013.01 - EP US)

Citation (applicant)
• WO 0024471 A1 20000504 - LATCHWAYS PLC [GB], et al
• US 4923037 A 19900508 - STEPHENSON JOHN [CA], et al

Citation (search report)
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• [A] FR 2748078 A1 19971031 - ZEDEL [FR]
• [A] FR 2422587 A1 19791109 - MOTTE DENIS [FR]
• [A] DE 29823111 U1 19990218 - EDUARD KAUFMANN GMBH [DE]

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EP2754466A1; CN101850161A; EP2974775A1; FR3023726A1; FR2903318A1; FR3000900A1; US9533192B2; DE102021102673A1; FR3095952A1; US9498660B2; EP2754465A1; US9192792B2

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