

Title (en)

Breakage safety device for rotary shaft

Title (de)

Bruchsicherungsvorrichtung für Drehspindel

Title (fr)

Dispositif de sécurité contre la rupture pour arbre rotatif

Publication

EP 0586271 B1 19970102 (FR)

Application

EP 93401940 A 19930727

Priority

FR 9209391 A 19920729

Abstract (en)

[origin: US5481943A] A safety device used in case of rupture of a rotary shaft for preventing the shaft from rotating and for preventing broken portions thereof from falling, includes at least one safety element placed so as to retain the shaft to prevent it from falling. The peripheral surface of the shaft and a facing surface of the safety element are provided with mating devices that cooperate to prevent the shaft from rotating when a portion of the shaft is retained by said safety element due to the shaft rupturing. The device is particularly suitable for use with a shaft that winds up lifting straps for a raisable curtain or that winds up the curtain itself.

IPC 1-7

E06B 9/84; E06B 9/80

IPC 8 full level

E06B 9/84 (2006.01)

CPC (source: EP US)

E06B 9/84 (2013.01 - EP US); **Y10T 74/2191** (2015.01 - EP US)

Cited by

FR2780088A1; US7017644B1; WO9967497A1

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DOCDB simple family (publication)

US 5481943 A 19960109; AT E147129 T1 19970115; CA 2101597 A1 19940130; CA 2101597 C 20030909; DE 69307058 D1 19970213; DE 69307058 T2 19970710; EP 0586271 A1 19940309; EP 0586271 B1 19970102; ES 2098694 T3 19970501; FR 2694371 A1 19940204; FR 2694371 B1 19940930

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US 9626993 A 19930726; AT 93401940 T 19930727; CA 2101597 A 19930729; DE 69307058 T 19930727; EP 93401940 A 19930727; ES 93401940 T 19930727; FR 9209391 A 19920729