

Title (en)  
Rope lifting and lowering apparatus

Title (de)  
Auf- und Abseilgerät

Title (fr)  
Appareil de remontée et de descente le long d'une corde

Publication  
**EP 0480117 B1 19951213 (DE)**

Application  
**EP 90810778 A 19901010**

Priority  
EP 90810778 A 19901010

Abstract (en)  
[origin: EP0480117A1] The rope lifting and lowering apparatus has a base plate (1) to which a rope lowering pulley (2) mounted in a freely rotating manner and having a pawl stop is fastened. A toothed ring (7) is fastened to the side of the rope lowering pulley facing the base plate. The teeth (7a) of the toothed ring (7) interact with a pawl (9) in such a way that in the free-wheeling direction the pawl is lifted and in the locking direction the pawl clamps the toothed ring or the rope lowering pulley in position. The pawl is let into the base plate. <IMAGE>

IPC 1-7  
**A62B 1/06**

IPC 8 full level  
**A62B 1/18** (2006.01); **A62B 1/06** (2006.01)

CPC (source: EP KR US)  
**A62B 1/06** (2013.01 - EP US); **B66F 19/00** (2013.01 - KR)

Cited by  
CN113513662A; EP0884067A1; US6223868B1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0480117 A1 19920415; EP 0480117 B1 19951213**; AT E131394 T1 19951215; AU 648588 B2 19940428; AU 8558891 A 19920416; CA 2053092 C 19950411; DE 59009970 D1 19960125; DK 0480117 T3 19960122; ES 2081961 T3 19960316; FI 914725 A0 19911007; FI 914725 A 19920411; GR 3018403 T3 19960331; IL 99633 A0 19920818; IL 99633 A 19940125; JP H04256761 A 19920911; KR 0164860 B1 19981201; KR 920007917 A 19920527; NO 179544 B 19960722; NO 179544 C 19961030; NO 913955 D0 19911009; NO 913955 L 19920413; TR 26412 A 19950315; US 5168958 A 19921208

DOCDB simple family (application)  
**EP 90810778 A 19901010**; AT 90810778 T 19901010; AU 8558891 A 19911007; CA 2053092 A 19911009; DE 59009970 T 19901010; DK 90810778 T 19901010; ES 90810778 T 19901010; FI 914725 A 19911007; GR 950402548 T 19951214; IL 9963391 A 19911002; JP 26406191 A 19911011; KR 910017663 A 19911009; NO 913955 A 19911009; TR 96191 A 19911009; US 77353591 A 19911009