

Title (en)  
SEALING DEVICE FOR INTERLOCKINGLY MAINTAINING A COVER ON A GRATING IN A FRAME

Publication  
**EP 0319811 B1 19930120 (DE)**

Application  
**EP 88119745 A 19881126**

Priority  
CH 477787 A 19871207

Abstract (en)  
[origin: EP0319811A1] Mounted in the cover (2) is a locking device (10) which is composed of a closing member (11) with arms (12) and a mounting bar (14) with a mounting and actuating device (15). The mounting bar (14) and the mounting and actuating device (15) lie in a bore (5) and a widened bore part (6), a shoulder (7) being formed on which a bearing face (17) of the mounting and actuating device (15) is supported. The ends of the arms (12) project into a guide link (20) which is integrally formed in the inner flange (3) of the frame (1). The guide link (20) has a sloping flank (21) which increasingly elastically deforms the arms (12) in a bending fashion. In the closed position, the arms snap into a catch recess (22) at the end of the sloping flank (21). This results in interlocking with pretension. <IMAGE>

IPC 1-7  
**E02D 29/14**; **E05C 3/04**

IPC 8 full level  
**E02D 29/14** (2006.01); **E05C 3/04** (2006.01); **E05B 35/00** (2006.01); **E05B 65/00** (2006.01); **E05C 19/06** (2006.01)

CPC (source: EP US)  
**E02D 29/1427** (2013.01 - EP US); **E05C 3/042** (2013.01 - EP US); **E05B 35/008** (2013.01 - EP US); **E05B 65/006** (2013.01 - EP US); **E05C 19/06** (2013.01 - EP US); **Y10T 292/0907** (2015.04 - EP US); **Y10T 292/1045** (2015.04 - EP US)

Cited by  
CN106436763A; CN108149768A; FR2711688A1; EP0674056A1; EP0761885A1; EP0601446A1; US5468096A; AU708471B2

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

DOCDB simple family (publication)  
**EP 0319811 A1 19890614**; **EP 0319811 B1 19930120**; AT E84829 T1 19930215; AU 2639188 A 19890608; AU 612734 B2 19910718; CA 1294475 C 19920121; CH 675265 A5 19900914; DE 3877727 D1 19930304; ES 2037187 T3 19930616; PT 89172 A 19890914; PT 89172 B 19940131; US 5071177 A 19911210

DOCDB simple family (application)  
**EP 88119745 A 19881126**; AT 88119745 T 19881126; AU 2639188 A 19881130; CA 585015 A 19881205; CH 477787 A 19871207; DE 3877727 T 19881126; ES 88119745 T 19881126; PT 8917288 A 19881206; US 27897688 A 19881201