

Title (en)
SECURITY SEAL OF THE PADLOCK TYPE

Publication
EP 0223905 B1 19911016 (EN)

Application
EP 86106624 A 19860515

Priority
US 80045785 A 19851121

Abstract (en)
[origin: EP0223905A1] A seal of the type resembling a padlock and comprising a plastic housing having a pair of apertures for receiving a shackle of the type formed of a U-shaped piece of wire with reversely bent end portions, the extreme ends of which are intended to dig into the internal surface of the walls of the body apertures to prevent retraction of the shackle. To prevent release of the shackle by a tool slid into the aperture alongside the shackle, which might be able to squeeze the reversely bent portion to a sharper bend and thereby allow retraction of said end from the aperture without the extreme end digging into the aperture wall, the shackle is provided with a bent portion which is shaped and positioned to enter the aperture when the seal is closed and extend completely across the width of the aperture. To prevent straightening of the bent portion to reduce its width to allow a tool to be inserted into the aperture alongside the bent portion, the extreme ends of the aperture are sharpened and the seal body is provided with a recess therein which is so positioned that when any appreciable tension is applied to the shackle, the sharpened ends pierce through the aperture wall into the recess, giving evidence of tampering.

IPC 1-7
G09F 3/03

IPC 8 full level
G09F 3/03 (2006.01)

CPC (source: EP)
G09F 3/0358 (2013.01)

Citation (examination)
EP 0217499 A1 19870408 - TRITTON ENTERPRISES LTD [CA]

Cited by
US5542724A; GB2420743A; GB2420743B; US7360807B2; WO9319995A1; US7472933B2; US6966584B2; LT4347B; EP1701327A2; US7370892B2

Designated contracting state (EPC)
BE DE FR GB IT SE

DOCDB simple family (publication)
EP 0223905 A1 19870603; EP 0223905 B1 19911016; AU 568981 B2 19880114; AU 5844286 A 19870528; BR 8602546 A 19871117; CA 1319811 C 19930706; DE 3682028 D1 19911121; ES 294709 U 19861016; ZA 863609 B 19870429

DOCDB simple family (application)
EP 86106624 A 19860515; AU 5844286 A 19860606; BR 8602546 A 19860602; CA 514196 A 19860718; DE 3682028 T 19860515; ES 294709 U 19860612; ZA 863609 A 19860515