

Title (en)
RISING SECURITY BARRIER

Title (de)
HUBSICHERHEITSSCHRANKE

Title (fr)
BARRIERE LEVANTE DE SECURITE

Publication
EP 1697594 A2 20060906 (FR)

Application
EP 04805615 A 20041202

Priority
• FR 2004003095 W 20041202
• FR 0314188 A 20031203

Abstract (en)
[origin: FR2863279A1] The barrier has a rising pole in the form of a straight tube (110) of circular section, made from 55 - 65 per cent by weight of glass fibres, 45 - 35 per cent by weight of carbon fibres, and resin. The tube has an inner layer (112) of lengthwise parallel fibres, a middle layer (116) of angled spiral fibres, and an outer layer (116) of lengthwise parallel fibres, made and polymerised together in the resin to form a composite one-piece tube, which has a protective inner sleeve.

IPC 8 full level
E01F 13/00 (2006.01); **E01F 13/04** (2006.01); **E01F 13/06** (2006.01); **E01F 13/10** (2006.01)

CPC (source: EP US)
E01F 13/06 (2013.01 - EP US)

Cited by
IT201900015102A1; PL425290A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007124998 A1 20070607; US 7484904 B2 20090203; AT E542957 T1 20120215; CA 2548059 A1 20050623; CA 2548059 C 20111115; CN 1890436 A 20070103; CN 1890436 B 20110706; EP 1697594 A2 20060906; EP 1697594 B1 20120125; ES 2378235 T3 20120410; FR 2863279 A1 20050610; FR 2863279 B1 20060120; HR P20120242 T1 20120430; PL 1697594 T3 20120629; WO 2005056928 A2 20050623; WO 2005056928 A3 20051006; WO 2005056928 A8 20060629

DOCDB simple family (application)
US 58162904 A 20041202; AT 04805615 T 20041202; CA 2548059 A 20041202; CN 200480036125 A 20041202; EP 04805615 A 20041202; ES 04805615 T 20041202; FR 0314188 A 20031203; FR 2004003095 W 20041202; HR P20120242 T 20120316; PL 04805615 T 20041202