

Title (en)
Retractable mast for barriers

Title (de)
Versenkbarer Mast für Absperrvorrichtungen

Title (fr)
Mât escamotable pour barrières

Publication
EP 2450488 A3 20160831 (EN)

Application
EP 11405351 A 20111103

Priority
CH 18552010 A 20101105

Abstract (en)
[origin: EP2450488A2] Retractable mast (1) for barriers, comprising: - at least one fixed element (2) having an upper end (2s) and a lower end (2i), said fixed element (2) extending along a longitudinal axis (a) for a total extension (E); - at least one sliding element (3), having an upper part (3s) and a lower part (3i), said sliding element (3) extending along said longitudinal axis (a) for a total extension (L); - at least one gap (l) between the fixed element (2) and the sliding element (3); said gap (l) being defined from a radial distance (R), measured perpendicular with respect to said longitudinal axis (a), the fixed element (2) and the sliding element (3) being coupled in such a way that the sliding element (3) can translate inside the fixed element (2) along said longitudinal axis (a), from a first position (p1), in which it is housed in the fixed element (2) of portion of at least 70% of its total extension (E) to a second position (p2), in which it is extracted from the fixed element (2) of a portion of at least 50% of its total extension (E). The fixed element (2) has at least one groove (5) and said sliding element (3) has at least one guide pin (7) cooperating with said groove (5), wherein the groove (5) has at least two branches (D1, D2), one branch (D2) of the two (D1, D2) being shorter than the other branch (D1). The retractable mast (1) also has at least one sealing device (15), interposed between the fixed element (2) and the sliding element (3); and the average radial distance (R) is less than 5 mm.

IPC 8 full level
E01F 13/04 (2006.01)

CPC (source: EP)
E01F 13/046 (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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