

Title (en)
HANDRAIL

Title (de)
TREPPENGELÄNDER

Title (fr)
MAIN COURANTE

Publication
EP 2993117 A2 20160309 (EN)

Application
EP 15002241 A 20150729

Priority
IT GE20140076 A 20140730

Abstract (en)
A handrail assembly, particularly for parapets and guard rails, including a tubular member that forms a resting surface and is applied to a support means; the assembly being characterized in that the tubular member is provided with a dissipation means adapted to increase the surface for heat exchange between the tubular member and the surrounding air. The assembly is studied in particular for extruded handrails made of aluminum for naval applications.

IPC 8 full level
B63B 17/04 (2006.01); **E04F 11/18** (2006.01)

CPC (source: EP)
B63B 17/04 (2013.01); **E04F 11/1836** (2013.01); **E04F 2011/1878** (2013.01); **E04F 2011/1889** (2013.01)

Citation (applicant)
• FR 2144027 A5 19730209 - SUDRES JAMES
• US 2009211512 A1 20090827 - MASON CHRISTOPHER A [US], et al
• EP 2695807 A2 20140212 - ETEC INC [KR]
• KR 20140035669 A 20140324 - YEON IL ENGINEERING [KR]

Cited by
CN112009618A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2993117 A2 20160309; EP 2993117 A3 20160511; EP 2993117 B1 20170906

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EP 15002241 A 20150729