

Title (en)
ANTI-SLIP GRATING

Publication
EP 0021591 B1 19830511 (EN)

Application
EP 80301638 A 19800519

Priority
US 8912079 A 19790618

Abstract (en)
[origin: EP0021591A2] An improved anti-slip tread or grating (10) design is provided with gripping members or rosettes (30) having a plurality of upstanding individual lobes (36) which are configured in such a way and project high enough to provide an excellent gripping surface. The lobes (36) of the design are self-cleaning, and have non-continuous gripping edges at their crests (40) that accommodate a greater build up of ice or mud without clogging the grating (10). The invention includes an improved method of making the anti-slip tread or grating (10).

IPC 1-7
E04C 2/42; **E01D 19/12**

IPC 8 full level
E01C 9/10 (2006.01); **B21D 19/00** (2006.01); **B21D 28/24** (2006.01); **B21D 53/00** (2006.01); **B61D 23/00** (2006.01); **E01D 19/12** (2006.01); **E04C 2/08** (2006.01); **E04C 2/42** (2006.01); **E04F 11/16** (2006.01); **E04F 15/06** (2006.01); **E04G 5/08** (2006.01); **F16S 1/00** (2006.01); **F16S 1/08** (2006.01)

CPC (source: EP)
B21D 47/005 (2013.01); **E01D 19/12** (2013.01); **E04C 2/427** (2013.01); **E04F 11/16** (2013.01)

Cited by
EP1437458A4; CN104032947A; NL1022171C2; EP2230363A1; FR2942984A1; WO2014067533A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0021591 A2 19810107; **EP 0021591 A3 19810204**; **EP 0021591 B1 19830511**; CA 1134589 A 19821102; JP S56500749 A 19810604; JP S6224562 B2 19870529; WO 8002856 A1 19801224

DOCDB simple family (application)
EP 80301638 A 19800519; CA 348838 A 19800331; JP 50183479 A 19790618; US 7900431 W 19790618