

Title (en)
GUTTER PROTECTION SYSTEM

Title (de)
ABLAUFRINNENSCHUTZSYSTEM

Title (fr)
SYSTEME DE PROTECTION DE GOUTTIERE

Publication
EP 1802824 A4 20100721 (EN)

Application
EP 05762568 A 20050622

Priority
• US 2005021983 W 20050622
• US 92172104 A 20040819

Abstract (en)
[origin: US2006037253A1] A gutter protection system includes a foam insert which is installed in the hanging gutters of commercial and residential buildings. The gutter insert allows rain water to drain into the gutters, yet it prevents debris from entering the channel and clogging the gutter pathway. The foam insert includes antimicrobial and/or UV stabilizer additives to improve the useful life of the foam insert.

IPC 8 full level
E04D 13/00 (2006.01)

CPC (source: EP US)
E04D 13/076 (2013.01 - EP US)

Citation (search report)
• [XY] DE 10016447 A1 20011004 - STACH HELMUT [DE]
• [X] US 5242591 A 19930907 - BEECHERT KEVIN J [US], et al
• [YA] US 6228476 B1 20010508 - BOGRET BLAKE BOYD [US], et al
• [A] US 2003046876 A1 20030313 - HIGGINBOTHAM EDWARD A [US]
• [A] US 3855132 A 19741217 - DUGAN W
• [E] US 2005178072 A1 20050818 - OLTHOFF JOHN R [US]
• See references of WO 2006023043A2

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 2006037253 A1 20060223; EP 1802824 A2 20070704; EP 1802824 A4 20100721; WO 2006023043 A2 20060302;
WO 2006023043 A3 20061109

DOCDB simple family (application)
US 92172104 A 20040819; EP 05762568 A 20050622; US 2005021983 W 20050622