

Title (en)  
MOUNTING ASSEMBLY FOR SECURING A DEVICE ON A STANDING SEAM

Title (de)  
MONTAGEANORDNUNG ZUR BEFESTIGUNG EINER VORRICHTUNG AN EINEM STEHFALZ

Title (fr)  
ENSEMBLE DE MONTAGE POUR FIXER UN DISPOSITIF SUR UN JOINT DEBOUT

Publication  
**EP 3290616 B1 20191211 (EN)**

Application  
**EP 17158678 A 20170301**

Priority  
US 201615254892 A 20160901

Abstract (en)  
[origin: EP3290616A1] A retention apparatus, system and method for attaching a cross member with an anchor assembly to a latch assembly of a top block and clamp assembly secured to a wall, roof or other structure. The retention system is useful to prevent snow, ice and other objects from sliding off a roof. According to an exemplary embodiment, the retention apparatus and system may be secured to a standing seam on a metal roof to use an ice flag for retaining snow and ice between standing seams. The retention apparatus, system and method comprising a fastener securing a top block with a latch assembly to a clamp assembly attached to the standing seam of the metal roof. An cross member configured with an anchor assembly for operably connecting to the latch assembly of the top block by a ninety degree 90° straight-in approach to the latch assembly formed in the top block. One or more cross members may be joined together to form elongated sections using a connector inserted in one or more coupler channels of each of the cross members being joined. Additionally, the one or more coupler channels of the cross member are configured to secure by a tong projection of an ice flag at selected heights, whereby the ice flag is configured with tooth, register edge and projection on an upper portion of the ice flag to connect to a locking projection and a nub projection on the cross member.

IPC 8 full level  
**F24S 25/00** (2018.01); **E04D 13/10** (2006.01)

CPC (source: EP)  
**E04D 13/10** (2013.01)

Citation (examination)  
US 2014341645 A1 20141120 - LIU JUN [US], et al

Cited by  
CN112334627A

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

DOCDB simple family (publication)  
**EP 3290616 A1 20180307; EP 3290616 B1 20191211**; CA 2959043 A1 20180301; CA 3209785 A1 20180301; EP 3290615 A1 20180307; EP 3290615 B1 20190619; HU E045902 T2 20200128; PL 3290615 T3 20200331; PL 3290616 T3 20200629

DOCDB simple family (application)  
**EP 17158678 A 20170301**; CA 2959043 A 20170227; CA 3209785 A 20170227; EP 17158677 A 20170301; HU E17158677 A 20170301; PL 17158677 T 20170301; PL 17158678 T 20170301