

Title (en)

NEW AND IMPROVED METHOD AND APPARATUS FOR FASTENING GUTTERS TO STRUCTURES

Title (de)

NEUE UND VERBESSERTE METHODE UND VORRICHTUNG ZUR BEFESTIGUNG VON ENTWÄSSERUNGSRINNEN AN STRUKTUREN

Title (fr)

PROCEDE ET DISPOSITIF NOUVEAUX ET PERFECTIONNES DE FIXATION DE GOUTTIERES SUR DES STRUCTURES

Publication

EP 1029139 A4 20030122 (EN)

Application

EP 98956252 A 19981027

Priority

- US 9822776 W 19981027
- US 96068697 A 19971030

Abstract (en)

[origin: WO9923326A1] A gutter fastener (10) having a first shank portion (14) with a head (12a) integrally formed on one end and a second shank portion (16) integrally formed with the opposite end. The first shank portion has a length (L1) substantially equal to the water collecting opening in a gutter (20), while the second shank portion has a length (L2) substantially equal to one half the length of the first shank portion. The second shank portion includes screw-like threads (50) for engaging the facial panel (24) behind a gutter and enabling a more secure connection between the two.

IPC 1-7

E04D 13/072; F16B 35/00; B21H 3/02; F16B 33/02; F16B 25/00

IPC 8 full level

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CPC (source: EP)

E04D 13/0725 (2013.01)

Citation (search report)

- [A] US 3772720 A 19731120 - YAMAMOTO Y
- See references of WO 9923326A1

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