

Title (en)
Snow-retaining device.

Title (de)
Schneehalter.

Title (fr)
Garde-neige.

Publication
EP 0377407 B1 19940601 (DE)

Application
EP 89810965 A 19891215

Priority
• CH 343489 A 19890921
• CH 484688 A 19881229

Abstract (en)
[origin: EP0377407A1] The snow-retaining device (100) comprises an integrally formed plastic part (102), with a snow-retaining part (110) and also a bearing part (111), and a supporting bracket (103) which can be displaced and fixed in the part (102). A step (104), adjoining the snow-retaining part (110), and also the horizontal part (116) and a projection (106) of the supporting bracket (103) form two arms which embrace the bottom end (107) of a roof tile (105) in pincer fashion. The upper region (120) of the vertical part (115) of the bracket (103) is provided with a nose (121), a spring surrounding the upper region (120) and the nose (121). Provided parallel to the vertical part (115) of the supporting bracket (103), in the part (102), is a notched plate (117) with notched teeth (118). To mount the snow-retaining device, the bracket (103) is inserted into a guide channel (114) arranged in the part (102), the spring (122) engaging between two notched teeth (118). The snow-retaining device can be used for any roof-tile thicknesses and shapes. <IMAGE>

IPC 1-7
E04D 13/10

IPC 8 full level
E04D 13/10 (2006.01)

CPC (source: EP US)
E04D 13/10 (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0377407 A1 19900711; EP 0377407 B1 19940601; AT E106488 T1 19940615; CA 2006701 A1 19900629; CA 2006701 C 19941025; DE 58907780 D1 19940707; FI 896240 A0 19891222; FI 90459 B 19931029; FI 90459 C 19940210; NO 177468 B 19950612; NO 177468 C 19950920; NO 895211 D0 19891222; NO 895211 L 19900702; US 5070660 A 19911210

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EP 89810965 A 19891215; AT 89810965 T 19891215; CA 2006701 A 19891227; DE 58907780 T 19891215; FI 896240 A 19891222; NO 895211 A 19891222; US 45731489 A 19891226