

Title (en)
HIDDEN ROOF GUTTER SYSTEM

Title (de)
VERSTECKTES DACHRINNENSYSYSTEM

Title (fr)
SYSTÈME DE GOUTTIÈRE DE TOIT INVISIBLE

Publication
EP 2094918 A2 20090902 (EN)

Application
EP 07827333 A 20071107

Priority
• IL 2007001360 W 20071107
• US 56621906 A 20061203

Abstract (en)
[origin: US2008127576A1] In its simplest form, the hidden rain gutter of the present invention consists of a trough having a closed cross-sectional contour that is enclosed for the most of its periphery, having an opening in its upper section adjacent to the drain opening in the roof surface layer through which rainwater is introduced into the trough. The hidden rain gutter of the present invention is configured with at least one drainage outlet and at least one distal end spaced apart from the drainage outlet. The hidden rain gutter element defines a drainage vector between the distal end and the drainage outlet. In one preferred deployment of the hidden rain gutter of the present invention the drainage vector is parallel to the plane of the roof surface layer with the distal end deployed higher on the slope of the roof than the drainage outlet such that rainwater falling into the rain gutter element is directed toward the drainage outlet. In a most preferred deployment, the roofing system includes a roofing underlay deployed on the roof structural frame with the roof surface layer supported above the roofing underlay by battens and counter-battens. The planes of the roofing underlay and the roof surface layer are, therefore, substantially parallel and spaced apart at a distance of approximately 6-12 centimeters therebetween. The hidden rain gutter of the present invention is configured for deployment in that space provided between the roofing underlay and the roof surface layer.

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Cited by
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