

Title (en)

ROLL-FORMING UTILIZING SPLITTING TECHNOLOGY

Title (de)

FORMWALZEN MIT VERWENDUNG VON TRENNUNGSTECHNOLOGIE

Title (fr)

PROFILAGE PAR TECHNIQUE DE FENDAGE

Publication

EP 0876226 B1 20011205 (EN)

Application

EP 97901752 A 19970124

Priority

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- US 59253896 A 19960126

Abstract (en)

[origin: WO9727009A1] A method is provided for roll-forming an I-beam structure having a web and a pair of opposing flanges at each end of the web. The method includes the steps of providing a flat blank having a thickness generally equal to a thickness of the web of the I-beam to be formed. The blank has a longitudinal axis, a central portion and opposing ends. Each of the blank ends is split along the longitudinal axis to form first and second flange portions at each of the ends. Each of the first and second flange portions has an edge directed away from the central portion. The flange portions are then bent about the longitudinal axis by moving each of the edges in a direction towards the central portion to form a mass of material at each of the blank ends. The mass of material is compacted at each of the blank ends to define the flanges. Each flange is disposed generally transverse with respect to the longitudinal axis and has a thickness generally equal to the thickness of the web.

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