

Title (en)

TWO-PIECE SIDE AND FLOOR PANEL ARRANGEMENT FOR BOX ASSEMBLY

Title (de)

ZWEITEILIGE SEITEN- UND BODENPLATTENANORDNUNG FÜR KASTENANORDNUNG

Title (fr)

PANNEAU EN DEUX PARTIES (RIDELLE +PARTIE DE PLANCHER) POUR CAISSON DE VEHICULE

Publication

EP 1874614 A1 20080109 (EN)

Application

EP 06718885 A 20060119

Priority

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Abstract (en)

[origin: WO2006112903A1] A process for roll-forming sheet metal panels for a vehicle box assembly, and specifically roll-forming monolithic one-piece sheet metal panels which function generally as quarter panels by defining both a side wall of the bed assembly as well as an adjacent side portion of the floor. A pair of such quarter panels are preferably simultaneously roll-formed in side-by-side mirror-image relationship as a continuous sheet is fed into and through a multiple-stage roll-former. The two side-by-side quarter panels, during the rolling process, are joined by an integral channel which extends along the longitudinal centerline of the sheet. When the deformed sheet exits the roll-former, the base or bridge wall of the channel can be severed or removed to separate the two panel members while leaving flange parts which protrude downwardly along the free edge of the side floor section to facilitate subsequent assembly to a center floor section of the box assembly. The quarter panels, after leaving the roll-former, are preferably punched to form wheel well openings therein, and following both longitudinal and transverse severing to define individual panels, are transversely bent into the desired L-shaped configuration.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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