

Title (en)  
PROCESS FOR THE TWO-DIRECTIONAL BENDING OF SHEET METAL.

Title (de)  
VERFAHREN ZUM GEGENLÄUFIGEN BIEGEN EINES BLECHES.

Title (fr)  
PROCEDE DE CINTRAGE OPPOSE D'UNE TOLE.

Publication  
**EP 0497780 B1 19931020 (DE)**

Application  
**EP 90913054 A 19900830**

Priority  
DE 3935658 A 19891026

Abstract (en)  
[origin: WO9106383A1] A process for the two-directional bending of sheet metal comprises the following stages: The bending cheek of a swivel press is laid on a first side of a sheet metal section which is bent about a predetermined angle in a first direction of rotation; the bending cheek is then withdrawn from the bent sheet in a first direction of movement perpendicularly to its pivoting axis and pivoted further in the first direction of rotation until it lies against the second side of the sheet opposite the first; the bending cheek is shifted in a second direction perpendicularly to the first; after the bent sheet has been suitably moved between the lower and upper cheeks of the bending machine, the bending cheek is laid against the second side of the sheet, which is bent about a predetermined angle by pivoting the bending cheek in a second direction of rotation opposite that of the first. In the bending machine for implementing this process, the bending cheek is fitted so that it can perform both mutually perpendicular movements in the first and second directions of travel.

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**B21D 5/04**

IPC 8 full level  
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**B21D 5/042** (2013.01)

Cited by  
DE102013106764A1; DE102006047108B4; DE102006047108A1; WO2014206817A1; US10427893B2

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