

Title (en)

METHOD AND DEVICE FOR PRODUCING STRUCTURED SHEET METAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN STRUKTURIERTER METALLBLECHE

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES TOLES METALLIQUES STRUCTUREES

Publication

EP 0938380 B1 20010328 (DE)

Application

EP 97944888 A 19970917

Priority

- DE 19643934 A 19961030
- EP 9705097 W 19970917

Abstract (en)

[origin: DE19643934A1] The invention relates to a method and a device to produce structured sheet metal. According to the inventive method, a strip of sheet metal (6) initially undergoes a structuring operation wherein a structure (8) is formed, whose structural height (H) is greater than a theoretical structural height (SH), followed by a calibration operation in a calibration unit (9). The structure (8) is guided through two rollers (10, 11) of the calibration unit (9) whereby the height of the structure once it has passed through the calibration unit (9) corresponds to the theoretical structural height (SH).

IPC 1-7

B01J 35/04

IPC 8 full level

B23D 23/00 (2006.01); **B01J 35/04** (2006.01); **B21D 13/04** (2006.01); **B21D 47/00** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP KR US)

B01J 35/56 (2024.01 - EP US); **B21D 13/04** (2013.01 - KR); **F01N 3/281** (2013.01 - EP US)

Citation (examination)

EP 0460611 A1 19911211 - NIPPON STEEL CORP [JP]

Cited by

US7438867B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19643934 A1 19980507; AU 4623797 A 19980522; CN 1111449 C 20030618; CN 1235563 A 19991117; DE 59703249 D1 20010503; EP 0938380 A1 19990901; EP 0938380 B1 20010328; JP 2000505000 A 20000425; JP 3544674 B2 20040721; KR 100476119 B1 20050315; KR 20000052906 A 20000825; MY 122364 A 20060429; TW 372892 B 19991101; US 6286353 B1 20010911; WO 9818557 A1 19980507

DOCDB simple family (application)

DE 19643934 A 19961030; AU 4623797 A 19970917; CN 97199367 A 19970917; DE 59703249 T 19970917; EP 9705097 W 19970917; EP 97944888 A 19970917; JP 51996298 A 19970917; KR 19997003771 A 19990429; MY PI9704538 A 19970929; TW 86112127 A 19970823; US 30265499 A 19990430