

Title (en)

Bending tools for bending press

Title (de)

Biegewerkzeuge für Biegepresse

Title (fr)

Outils de pliage pour presse de pliage

Publication

EP 2292342 A1 20110309 (EN)

Application

EP 09167815 A 20090813

Priority

EP 09167815 A 20090813

Abstract (en)

A bending tool that may be used for bending elongated works and in which the works are not likely to be damaged is provided. An angle formed by a blade parting line L1, L2 and an outside edge of a blade of each die (1,2) is made larger than an angle formed by the blade parting line L1, L2 and an inside edge. An inner end edge of the bending block of one of dies is chamfered to be parallel to the outside edge of the blade and the inside edge is shorter than the length of the inner end edge 16C, 26C. The blade parting line L1 of one of the dies (1,2) is located at a position further toward the blade parting line L2 of the other of the dies (1,2) with respect to the center of the space between the blade parting line and the inner end edge of the bending block (26).

IPC 8 full level

B21D 5/02 (2006.01)

CPC (source: EP)

B21D 5/0209 (2013.01); **B21D 11/18** (2013.01)

Citation (applicant)

JP H0377012 B2 19911209

Citation (search report)

- [X] JP 2008100265 A 20080501 - MAKINO OSAMU
- [A] JP 2003117607 A 20030423 - KITAGAWA SEISAKUSHO KK
- [AD] US 4918971 A 19900424 - MAKINO OSAMU [JP] & JP H01271011 A 19891030 - MAKINO OSAMU
- [A] US 4356718 A 19821102 - MAKINO OSAMU

Cited by

EP2535123A1; ITAN20130031A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2292342 A1 20110309

DOCDB simple family (application)

EP 09167815 A 20090813