

Title (en)  
PRESS

Publication  
**EP 0393649 A3 19910227 (EN)**

Application  
**EP 90107390 A 19900419**

Priority  
JP 10189589 A 19890421

Abstract (en)  
[origin: EP0393649A2] A press performs first-stage press working on a long plate member (9) with a first upper die (83) and a first lower die (183) which are provided in a first working station (81), and then performs second-stage press working on the long plate member (9) with a second upper die (94) and a second lower die (194) which are provided in a second working station (82). The first upper die (83) and the first lower die (183) circularly move in opposite directions, to press-work the long plate member (9). The second upper die (94) and the second lower die (194) circularly move in opposite directions, to press-work the long plate member (9). The circular motions of the first upper die (83) and the first lower die (183) and the circular motions of the second upper die (94) and the second lower die (194) are 180 DEG out of phase. Inertial forces caused in the respective dies (83, 183, 94, 194) are mutually cancelled, whereby the press can be entirely kept in good mass balance.

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**B21D 43/02**

IPC 8 full level  
**B21D 43/02** (2006.01); **B21D 43/05** (2006.01); **B30B 1/26** (2006.01); **B30B 1/30** (2006.01); **B30B 13/00** (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP KR)  
**B21D 43/028** (2013.01 - EP); **B30B 3/00** (2013.01 - KR); **B30B 15/146** (2013.01 - EP)

Citation (search report)  
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• [A] FR 2496816 A1 19820625 - KODAK PATHE [FR]  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0393649 A2 19901024**; **EP 0393649 A3 19910227**; AU 5367390 A 19901025; BR 9001867 A 19910618; CA 2014952 A1 19901021; CN 1046480 A 19901031; JP H02281000 A 19901116; KR 900015903 A 19901110

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