

Title (en)
THREADING DEVICE FOR PERFORATED SHEETS

Publication
EP 0192051 B1 19911227 (DE)

Application
EP 86100599 A 19860117

Priority
DE 8504460 U 19850216

Abstract (en)
[origin: US4678357A] A device for binding holed sheets or a ring book fastener includes a binding cover elastically supported by supporting elements and receiving a plurality of rings spaced from each other along the axis of the binding cover and connected thereto. Each ring is comprised of two ring halves which are releasably engageable with each other. Each ring half is provided at the end thereof cooperating with the end of the other ring half with a tooth-shaped projection engageable in a tooth gap-shaped recess of the other ring half so as to produce a lock preventing a displacement of the ring halves in the closed position in the direction transverse to the closing direction.

IPC 1-7
B42F 13/22

IPC 8 full level
B42F 13/22 (2006.01)

CPC (source: EP US)
B42F 13/22 (2013.01 - EP US)

Citation (examination)
• FR 478925 A 19160119 - AUGUST VESTERLING [GB]
• DE 350693 C 19220323 - POL REGISTRATOR CIE M B H

Cited by
EP1598211A3

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0192051 A2 19860827; EP 0192051 A3 19880713; EP 0192051 B1 19911227; AT E70781 T1 19920115; CA 1258608 A 19890822; DE 3683065 D1 19920206; DE 8504460 U1 19850509; DK 69386 A 19860817; DK 69386 D0 19860213; FI 84453 B 19910830; FI 84453 C 19911210; FI 860666 A0 19860213; FI 860666 A 19860817; NO 171834 B 19930201; NO 171834 C 19930512; NO 860552 L 19860818; US 4678357 A 19870707

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EP 86100599 A 19860117; AT 86100599 T 19860117; CA 501862 A 19860214; DE 3683065 T 19860117; DE 8504460 U 19850216; DK 69386 A 19860213; FI 860666 A 19860213; NO 860552 A 19860214; US 82969686 A 19860213