

Title (en)
IMPROVEMENTS IN SHEET STACKERS

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Application
EP 83303971 A 19830707

Priority
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• GB 8226817 A 19820921

Abstract (en)
[origin: EP0099250A1] A sheet stacker in which sheets are compiled in a tray on a support surface (62, 271) against registration members (69, 274) and a completed stack is ejected, the registration members (69, 274) being retracted, by an eject mechanism comprising a continuously rotating drive roller (73, 280) and a coacting idler roller (74, 281). In one embodiment, the drive roller (73) is spaced above the support surface (62) and the idler roller (74) is mounted on an arm (113) which is retracted during stacking and then pressed against the bottom of the completed stack through an aperture (62a) in the support surface (62) to effect ejection. In another embodiment a continuously rotating drive roller (280) projects through the base (272) of the tray and coacting idler roller (281) is mounted on a spring arm (282) which is retracted during stacking and then pressed against the top of the completed stack to effect ejection. Preferably the roller (280) is a deformable roller having a low coefficient of friction surface.

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Cited by
US4852867A; US5152511A; EP0122992A1; US5013021A; US4905055A; US4801133A; US5142760A; CN102145572A; EP2405408A1; USRE34460E; US4974823A; US4901994A; US4946152A; US4946153A; US4893152A; US4930761A; US4811048A; EP0733878A3; US4973036A; US4905053A; US4928941A; USRE35087E; US5114130A; US4958820A; US4986520A; US5104106A; US4993697A; US4886259A; US4864350A; CN107284037A; US8262076B2

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