Title (en)
  Apparatus for splicing webs in registry with each other.

Title (de)
  Apparat zum registergerechten Spleissen von Bahnen.

Title (fr)
  Appareil pour coller des bandes prémarquées.

Publication
  EP 0211291 A1 19870225 (EN)

Application
  EP 86109790 A 19860716

Priority
  DE 3527446 A 19850731

Abstract (en)
  Apparatus for splicing the end of a first printed web (20) to the beginning of a second printed web (22) to maintain a desired spacing between consecutive registration marks (24) printed on each of the webs. The apparatus includes a plate (62) that is adapted to contact a deflecting roller (40) to reduce the speed of the web (20) that passes over the roller (40), and for moving the plate (62) in a tagential direction relative to the roller (40) at a predetermined linear speed for a prdetermined interval of time. While the web has its speed reduce while passing around the deflecting roller (40), two oppositely disposed joining rollers (34, 34a) are caused to contact each other, one of the rolls carrying the leading end of the upstream web (20) and the other roll carrying the replacement web (22), the replacement web including a double faced tape (22a), the replacement web including a double faced tape (22a) to adhere the leading end of the replacement web to the trailing end of the initial web. A tension control roller (44) is provided downstream of the plate (62) and deflecting roller (40) to provide a loop of web, and movement of the tension control roller (44) to reduce the size of the loop permits the take-off speed of the web from the device to be maintained while the splicing operation takes place.

IPC 1-7
  B65H 21/02; B65B 41/18

IPC 8 full level
  B65H 21/02 (2006.01)

CPC (source: EP)
  B65H 21/02 (2013.01)

Citation (search report)
  • EP 0061788 A1 19821006 - TEVOPHARM SCHIEDAM BV [NL]
  • DE 2350431 B2 19790308

Cited by
  EP0561097A1; US5390470A; US6603887B1; WO2010138051A1; EP0982252A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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