

Title (en)
Apparatus for butt splicing webs.

Title (de)
Apparat zum Stossverbinden von Bahnen.

Title (fr)
Appareil pour raccorder bout à bout des bandes.

Publication
EP 0600514 A2 19940608 (EN)

Application
EP 93119550 A 19931203

Priority
JP 32432392 A 19921203

Abstract (en)
An apparatus for butt splicing webs is provided, wherein the splicing accuracy can be improved and the cost can be decreased since the webs can be spliced without an accumulator and the splicing mechanism can be simplified. When the remainder length of the old roll (28) becomes short, the splicing unit (36) is moved to be abutted to the outer peripheral surface of the new roll (30) and stopped and the new roll (30) is rotated previously at the same speed as the conveying speed of the old roll (28). Then, when the forward end portion (32) of the rotating new roll (30) is detected by the sensor (68) while splicing webs, the cutting drum (42), the cutting-splicing drum (44) and the splicing drum (46) are started to run based on the detected signals and are rotated at the same speed as the conveying speed of the web, and then the forward end portion (32) is stuck and drawn out by the suction pad (42C) of the cutting drum (42), and the webs are cut and spliced in the state that the tail end of the old roll (28) and the forward end of the new roll (30) are held by the respective drums (42), (44) and (46). And, when the splicing of the webs is completed, the splicing unit (36) is retracted from the outer peripheral surface of the new roll and returns to the former position. Therefore, the webs can be spliced without decreasing the rewinding speed of the old roll (28) and the splicing mechanism can be simplified. <IMAGE>

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Cited by
EP3872014A3; CN108313793A; US7264193B2; CN108313796A; CN108313794A; CN110182638A; US11738962B2; WO2019095521A1

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