

Title (en)
Web inspection and repair machine

Title (de)
Stoffschau- und Repariermaschine für Bände

Title (fr)
Machine pour inspecter et pour réparer des bandes

Publication
EP 0827927 B1 20011128 (EN)

Application
EP 97306869 A 19970904

Priority
CA 2184769 A 19960904

Abstract (en)
[origin: EP0827927A2] A device for the inspection and repair of a roll of web material includes an unwind mandrel, a rewind mandrel, an inspection area and a splice area. A flaw in the web is detected at the inspection area, whereupon the web is braked to a halt. Where the splice area is adjacent to or coincident with the inspection area, the flawed portion of the web can pass well beyond the splice area before the web comes to a halt. Provided herein is a web-indexer device that includes a reciprocating indexer shuttle having idler rolls mounted thereon, with further idler rolls mounted to the machine such that the web material can be strung between them in a substantially boustrophedonic configuration. Control means are provided to allow the operator who has caused the web to be braked to a halt upon detecting a flaw, to move the indexer frame so as to retrieve a portion of the web so as to bring the flaw back to the splicing station for repair, without having to reverse the rotational direction of the unwind mandrel or the rewind mandrel. <IMAGE>

IPC 1-7
B65H 20/24; **B65H 26/02**

IPC 8 full level
B65H 20/24 (2006.01); **B65H 21/00** (2006.01); **B65H 26/02** (2006.01)

CPC (source: EP)
B65H 20/24 (2013.01); **B65H 21/00** (2013.01); **B65H 26/02** (2013.01); **B65H 2301/4148** (2013.01); **B65H 2511/20** (2013.01); **B65H 2513/512** (2013.01)

Cited by
ITMI20090218A1; US7819355B2; WO2007090274A1; WO02095370A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0827927 A2 19980311; **EP 0827927 A3 19980617**; **EP 0827927 B1 20011128**; CA 2184769 A1 19980305; CA 2184769 C 20000718; DE 69708558 D1 20020110; DE 69708558 T2 20020704

DOCDB simple family (application)
EP 97306869 A 19970904; CA 2184769 A 19960904; DE 69708558 T 19970904