

Title (en)
Calender

Title (de)
Kalander

Title (fr)
Calandre

Publication
EP 1026317 B1 20031001 (DE)

Application
EP 00100897 A 20000118

Priority
DE 19904180 A 19990203

Abstract (en)
[origin: EP1026317A2] The calender assembly has a stack of rollers forming nips between them to process a web. A moving web guide (11) is on at least one side of the stacked rollers (2) which can be fixed in at least one web insertion position. The web guide (11) is fixed in a park position where it does not shroud any of the roller nips (5,25,27). The web guide (11) is attached to a moving platform (12) at one side of the roller stack (2). Position switches are along the movement path (13), at the web insertion positions, linked to a drive control. The web guide has a guide surface structure (15,16) in a variable shape using a flat surface (21) and deflection surfaces (15,16) moving out of it on swing levers (17,18). The deflection surface (15,16) can be on a push unit across the direction of movement. The guide surface structure has at least one tongue which can be pushed as far as the roller stack (2). The web guide (11) has at least one grip head which, in the first movement phase, moves from the roller stack (2) at right angles to it. In the second movement phase, it moves parallel to the rollers and, in a third phase, moves towards the rollers (2) at right angles to them. The grip head has a suction and/or blower unit. The grip head can rotate by 180 degrees round an axis, parallel to the axes of the rollers (3,4). The grip head grasps the web (8) at the side. The rollers are in an angled stack (2).

IPC 1-7
D21G 1/00

IPC 8 full level
D21G 1/00 (2006.01)

CPC (source: EP US)
D21G 1/0086 (2013.01 - EP US)

Cited by
AT16965U1; WO2007128597A1; WO2009013259A1

Designated contracting state (EPC)
DE FI FR GB

DOCDB simple family (publication)
EP 1026317 A2 20000809; EP 1026317 A3 20010516; EP 1026317 B1 20031001; DE 19904180 C1 20000831; DE 50003869 D1 20031106; US 6402889 B1 20020611

DOCDB simple family (application)
EP 00100897 A 20000118; DE 19904180 A 19990203; DE 50003869 T 20000118; US 49589400 A 20000202