

Title (en)

Winding group and method for winding paper around a core to make a log

Title (de)

Wickelgruppe und -verfahren zum Wickeln von Papier um einen Kern zum Herstellen eines Logs

Title (fr)

Group et procédé d'enroulement pour enrouler du papier autour d'un noyau pour la production d'un rouleau

Publication

**EP 2202188 A1 20100630 (EN)**

Application

**EP 09180392 A 20091222**

Priority

IT MI20082313 A 20081223

Abstract (en)

A winding group (10) for winding paper (11') around a core (11) to make a log (11") comprising in an upstream position, means for transporting and introducing the core (11) into a channel (12) defined at the top by an upper winding roller (14), supplied from above with the paper (11') directed towards the channel (12), and at the bottom by a cradle member (13) associated downstream with a lower winding roller (15), the winding group (10) comprising a third oscillating roller (16) arranged above the lower winding roller (15), the three rollers (14, 15, 16) cooperating downstream of the channel (12) to wind the paper (11') around the core (11) to make the log (11"), further being provided cyclic means for tearing the paper (11') moving forward on the upper winding roller (14) to identify a final edge (50) and an initial edge (60) as well as means to cause the initial edge (60) to wind on the core (11) introduced into the channel (12), the cyclic means for tearing the paper (11') comprising a rod member (17) rotating around a pin (18) and provided with a head (20) for cyclic cooperation with the upper winding roller (14) for tearing the paper (11'), wherein the head (20) at least in proximity to the upper winding roller (14) has a greater peripheral speed with respect to that of the upper winding roller (14) to tear the paper (11') upstream of the head (20).

IPC 8 full level

**B65H 19/26** (2006.01)

CPC (source: EP US)

**B65H 19/267** (2013.01 - EP US)

Citation (applicant)

- WO 9421545 A1 19940929 - PERINI FABIO SPA [IT], et al
- EP 1262434 A2 20021204 - GAMBINI GIOVANNI [IT]

Citation (search report)

- [A] EP 1988041 A2 20081105 - GAMBINI GIOVANNI [IT]
- [A] WO 9429205 A1 19941222 - PERINI FABIO SPA [IT], et al
- [A] US 2004061021 A1 20040401 - BUTTERWORTH TAD T [US]
- [A] US 5769352 A 19980623 - BIAGIOTTI GUGLIELMO [IT]
- [A] US 2003037725 A1 20030227 - DAUL THOMAS J [US], et al
- [A] US 4723724 A 19880209 - BRADLEY JOHN J [US]
- [A] WO 2007141819 A1 20071213 - PERINI FABIO SPA [IT], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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