

Title (en)
Cross-lapper.

Title (de)
Vliesbandleger.

Title (fr)
Etaleur-nappeur.

Publication
EP 0517563 A1 19921209 (FR)

Application
EP 92401411 A 19920522

Priority
FR 9106634 A 19910603

Abstract (en)
[origin: WO9221799A1] A fibre web (4) is transported by belts (2, 5) passing around rollers. Some of said rollers are supported by a feed carriage (10) and a discharge carriage which are reciprocatingly movable over a bed (8) which moves parallel to the roller axes and receives the web (4) as a mat (6). Means (34) are provided to define for the web (4), on a first conveyor belt (2) and upstream of a nip line defined by two adjacent rollers (35, 61), a section (22) inclined towards the nip line. The nip roller (35) associated with the first belt (2) causes said belt to make a turn of an angle (B) comprised between 90 DEG and 180 DEG . The nip line is situated in an angular position intermediate between the beginning and the end of said turn. Application in the manufacture of nonwovens.

IPC 1-7
D01G 15/46; D01G 25/00; D04H 1/74

IPC 8 full level
D01G 15/46 (2006.01); **D01G 25/00** (2006.01); **D04H 1/74** (2006.01)

CPC (source: EP US)
D01G 25/00 (2013.01 - EP US); **D04H 1/74** (2013.01 - EP US)

Citation (search report)
• [E] DE 4010174 A1 19911002 - HOLLINGSWORTH GMBH [DE]
• [A] EP 0398240 A1 19901122 - DU PONT [US]
• [A] US 4194270 A 19800325 - HILLE EDUARD [DE]
• [A] US 2387150 A 19451016 - HLAVATY RUDOLF F

Cited by
EP1367166A1; EP1959038A1; FR2840326A1; EP0860531A3; CN104532478A; DE20321834U1; EP1816243A1; US7810218B2; US6550107B1;
US7480965B2; DE202012102597U1; WO2014009520A1; US9909236B2; EP2365113A1

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FR 2677045 A1 19921204; FR 2677045 B1 19930903; JP 3258320 B2 20020218; JP H06502697 A 19940324; US 5289617 A 19940301;
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