

Title (en)
Cross-lapper

Title (de)
Vliesleger

Title (fr)
Etaleur-nappeur

Publication
EP 1612306 B1 20080604 (DE)

Application
EP 04020318 A 20040826

Priority
• EP 04015488 A 20040701
• EP 04020318 A 20040826

Abstract (en)
[origin: EP1612306A1] A fleece laying apparatus comprises a camel back cross lapper having an infeed zone, an output conveyor, a supply arm, a layering arm with a lower end reciprocatingly guided on a path above the output conveyor, and two delivery transport belts; and variable-volume web buffering apparatus upstream of the infeed zone and adapted to hold a web between two take-up transport belts. A fleece laying apparatus comprises a camel back cross lapper having an infeed zone, an output conveyor, a supply arm, a layering arm with a lower end reciprocatingly guided on a path above the output conveyor, and transverse to an output direction of the output conveyor, and two delivery transport belts guided in juxtaposed fashion from the infeed zone to the layering-arm lower end; and variable-volume web buffering apparatus upstream of the infeed zone and adapted to hold a web between two take-up transport belts, at least one of which is one of the two delivery transport belts, the web buffering apparatus including a movable common frame, and frame rollers rotatably mounted on the common frame, the frame rollers including a two-belt roller deflecting the take-up transport belts by 180% and ≥ 2 one-belt rollers, the common frame movable transverse the roller axes, at least one of the one-belt rollers wrapped by the one delivery transport belt, such belt guided through an upstream web take-up site to the infeed zone, where web is sandwiched between paired belts for the entire path from the take-up site to the output conveyor.

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

CPC (source: EP)
D01G 25/00 (2013.01); **D04H 1/70** (2013.01); **D04H 1/74** (2013.01)

Cited by
EP2479330A1; EP1717357A1; CN115584596A; EP1854910A1; CN108411493A; CN112943312A; US7526838B2; WO2021141546A1; EP3141640B1

Designated contracting state (EPC)
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