

Title (en)
Supply device

Title (de)
Bevorratungseinrichtung

Title (fr)
Dispositif d'approvisionnement

Publication
EP 2253752 A3 20111019 (DE)

Application
EP 10004995 A 20100512

Priority
• DE 102009020961 A 20090512
• DE 102009036989 A 20090812

Abstract (en)
[origin: EP2253752A2] The device (32) has a roll retaining device (34) in which a set of material rolls (24, 26, 28, 36, 38, 40) is storable, where the rolls are rotatably supported in holders (42) of the roll retaining device. Workpiece layers (16, 18, 20) of a large-area work piece i.e. bed sheet, are drawn from the rolls, made of a flexible material i.e. foam, and are alternatively fed from the retaining device to a sewing device of a sewing machine (14) i.e. multi-needle sewing machine. Another set of material rolls (92, 94) is supported in another roll retaining device (22) directly adjacent to the machine. An independent claim is also included for a method for feeding workpiece layers from a supplying device to a sewing machine.

IPC 8 full level
D05B 11/00 (2006.01); **B65H 16/00** (2006.01); **D05B 33/00** (2006.01)

CPC (source: EP US)
D05B 11/00 (2013.01 - EP US)

Citation (search report)
• [XAI] US 2003136319 A1 20030724 - MYERS TERRANCE L [US], et al
• [XAI] US 5603270 A 19970218 - WHITE M BURL [US], et al
• [AD] DE 20317988 U1 20040930 - STUTZNAECKER EMIL NAEHMASCH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2253752 A2 20101124; EP 2253752 A3 20111019; EP 2253752 B1 20121226; CN 101886311 A 20101117; CN 101886311 B 20130710; DE 102009036989 A1 20101118; ES 2402148 T3 20130429; US 2011030599 A1 20110210; US 8794168 B2 20140805

DOCDB simple family (application)
EP 10004995 A 20100512; CN 201010179016 A 20100512; DE 102009036989 A 20090812; ES 10004995 T 20100512; US 77770210 A 20100511