



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
24.12.2014 Bulletin 2014/52

(51) Int Cl.:
B65H 67/06 (2006.01)

(43) Date of publication A2:
11.12.2013 Bulletin 2013/50

(21) Application number: **13164187.0**

(22) Date of filing: **17.04.2013**

(84) Designated Contracting States:
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 RS SE SI SK SM TR
 Designated Extension States:
BA ME

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(30) Priority: **08.06.2012 JP 2012131373**

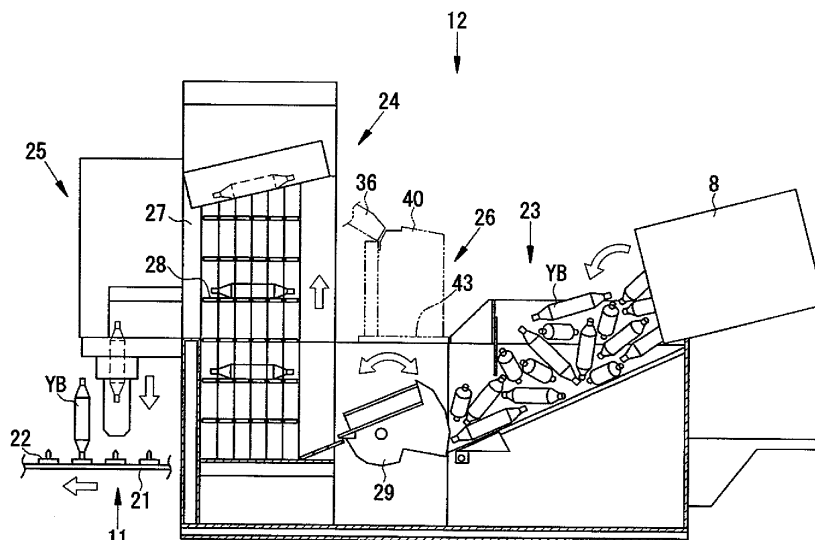
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(54) **Automatic winder**

(57) An automatic winder (100) includes a winding unit (10) that unwinds a yarn from yarn-wound bobbins (YB) mounted on trays (22) and forms a package, a bobbin transporting device (11) that transports the trays (22), a bobbin supplying device (12) that supplies a yarn-wound bobbin (YB) to a tray (22) with no yarn-wound bobbin (YB) mounted thereon from among the trays (22) transported by the bobbin transporting device (11), a bobbin removing device (13) that removes yarn-unwound

bobbins (B) from the trays (22) that are transported by the bobbin transporting device (11), and a collection box (40) into which the yarn-unwound bobbins (B) removed by the bobbin removing device (13) and introduced in uniform bobbin tube large/small-end orientation are collected. The bobbin supplying device (12) includes a box mounting member (43) on which the collection box (40) is mounted.

FIG.2





EUROPEAN SEARCH REPORT

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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EPO FORM P0459

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