

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### SHAPING

#### B31 MAKING ARTICLES OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER; WORKING PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER

(NOTES omitted)

#### B31C MAKING WOUND ARTICLES, e.g. WOUND TUBES, OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER

##### NOTE

The term "winding" in this subclass means forming two or more complete convolutions.

##### **1/00 Making tubes or pipes by feeding at right angles to the winding mandrel centre line**

- 1/02 . Machines therefor having additional mandrels
- 1/04 . and forming a tube end into a container bottom
- 1/06 . and inserting into a tube end a bottom to form a container
- 1/08 . Accessories of machines therefor not otherwise provided for
- 1/083 . . {Winding mandrels}
- 1/086 . . . {expansibles}

##### **3/00 Making tubes or pipes by feeding obliquely to the winding mandrel centre line**

- 3/02 . and inserting into a tube end a bottom to form a container
- 3/04 . Seam processing

##### **5/00 Making tubes or pipes without using mandrels**

##### **7/00 Making conical articles by winding**

- 7/02 . Forming truncated cones
- 7/04 . . on two or more mandrels
- 7/06 . . . and inserting into a cone end a bottom to form a container
- 7/08 . Forming pointed cones
- 7/10 . . on two or more mandrels

##### **9/00 Simultaneous forming of cylindrical and conical shapes by winding separate webs, e.g. forming bottles**

##### **11/00 Machinery for winding combined with other machinery**

- 11/02 . for additionally shaping the articles
- 11/04 . for applying impregnating by coating-substances during the winding
- 11/06 . for drying the wound and impregnated articles

##### **99/00 Subject matter not provided for in other groups of this subclass**