

Title (en)
LOCKABLE TUBE ROLLER.

Title (de)
VERRIEGELBARER ROHRROLLER.

Title (fr)
ENROULEUR BLOCABLE DE TUBES.

Publication
EP 0195014 A4 19880223 (EN)

Application
EP 85903952 A 19850731

Priority
US 63774584 A 19840806

Abstract (en)
[origin: WO8601178A1] A device for winding up collapsible tubes, having open and closed ends, to allow full expression of contents from the open end and to prevent the wound tube from unwinding. The device includes an elongated slot-shaped opening (44) in one member or mandrel (12) for receiving the closed end of a tube (30), such as a toothpaste tube. After the tube has been inserted into that slot and some amount of tube contents has been expressed, a handle (50), pivotally attached to one end of the member containing the slot, is pivoted to an open position not overlying the slot and substantially normal to the longitudinal axis of the mandrel and is used to wind the tube. After winding, the handle will be pivoted back to its closed position where it is horizontally offset from and overlies at least a part of the mandrel and will rest against the wound layer or layers of tubing therebetween. Because of the cooperative relationship of the handle and the mandrel, the tube is prevented from unwinding.

IPC 1-7
B65D 35/32

IPC 8 full level
B65D 35/32 (2006.01); **B65D 35/28** (2006.01)

CPC (source: EP)
B65D 35/28 (2013.01)

Citation (search report)

- [X] BE 509229 A
- [A] CH 157805 A 19321015 - GOTEBORGS KAPSYLFABRIK AB [SE]
- [A] CH 328378 A 19580315 - RENAUD EUGENE [CH]
- [A] WO 7900887 A1 19791101 - SVENSKA STRECK [SE], et al
- [A] GB 617460 A 19490207 - SIDNEY WILLIAM BLUMFRIED RENOU
- [A] EP 0047447 A1 19820317 - STRESING DONALD L
- See references of WO 8601178A1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 8601178 A1 19860227; CA 1314268 C 19930309; EP 0195014 A1 19860924; EP 0195014 A4 19880223; JP S61502885 A 19861211

DOCDB simple family (application)
US 8501444 W 19850731; CA 488079 A 19850802; EP 85903952 A 19850731; JP 50344185 A 19850731