

Title (en)
WIRE TYING DEVICE.

Title (de)
DRAHTBINDEANORDNUNG.

Title (fr)
DISPOSITIF D'ATTACHE D'UN FIL METALLIQUE.

Publication
EP 0290576 A4 19890314 (EN)

Application
EP 87908080 A 19871123

Priority
US 93456086 A 19861121

Abstract (en)
[origin: WO8803898A1] A wire tying device for tying a wire-like ribbon about a neck of a bag moved along a path by a conveyor (300). The packaging device includes a bag gathering apparatus (20) including a bag clamp plate (65) positioned adjacent the path of the neck of the bag and a plunger (22) which moves along the path to engage the neck of the bag between the clamping mechanism (120) and a slotted face plate (16) for pulling slack out of a plastic bag and to draw to the bag to a control tension about the product. An improved drive mechanism including coupling (190) smoothly and rapidly accelerates a needle for wrapping a section of wire ribbon around the neck of the bag, a twister hook (215) for twisting the wire, a wire holder-shear (160) for gripping and cutting the wire ribbon and a striper arm (230) for removing the twisted wire from the twister hook.

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Citation (search report)
See references of WO 8803898A1

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US 8703045 W 19871123; AU 8331187 A 19871123; DK 409688 A 19880721; EP 87908080 A 19871123; JP 50032287 A 19871123