Title (en)
  Method to place sleeves around objects

Title (de)
  Verfahren zum Einhüllen von Gegenständen mit Schläuchen

Title (fr)
  Procédé pour emballer des objets dans des manchons tubulaires.

Publication
  EP 1798146 A1 20070620 (EN)

Application
  EP 06125387 A 20061205

Priority
  IT BO20050754 A 20051213

Abstract (en)
  -A method to place sleeves around objects comprises the following operations: a)-the objects (04) are translated and distanced (S4) along a first path (P1); b)-the sleeves (M4) are translated in a tubular configuration along a second tubular path (P2) having a first segment (P2-CD) inclined and converging towards and along the first path (P1) in proximity a zone (Z1) where the sleeves are inserted; c)-in proximity to the sleeves insertion zone (Z1) the sleeves (M4) are inserted in an open tubular configuration in the translation path of the objects and around the objects (04), making a portion of the sleeves pass (M4s) through the spaces (S4); d)-the sleeves (M4) are then translated longitudinally downstream in an open tubular configuration and arranged around the objects with a relative longitudinal movement between sleeves and objects, until the arrangement of the sleeves around the objects is obtained.

IPC 8 full level
  B65B 9/14 (2006.01); **B65B 21/24** (2006.01); **B65B 53/00** (2006.01)

CPC (source: EP)
  B65B 9/14 (2013.01); **B65B 21/245** (2013.01); **B65B 53/00** (2013.01)

Citation (applicant)
  • US 4872302 A 19891010 - VAN EIJSDEN CORNELIS [NL], et al
  • US 4730437 A 19880315 - BENNO EDWARD L [US]

Citation (search report)
  • [XAY] US 4730437 A 19880315 - BENNO EDWARD L [US]
  • [Y] WO 0236436 A1 20020510 - NEAGLE CLAUDE ANDREW [US], et al
  • [A] WO 2004058569 A2 20040715 - KRONES AG [DE], et al
  • [A] FR 2182867 A1 19731214 - ATO INC [US]
  • [A] EP 1431185 A1 20040623 - AETNA GROUP SPA [IT]

Designated contracting state (EPC)
  DE ES FR GB IT

Designated extension state (EPC)
  AL BA HR MK YU

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