

Title (en)

Method of fabricating sleeves for trampolines

Title (de)

Verfahren zur Herstellung von Rohrhülsen für Trampoline

Title (fr)

Procédé de fabrication de manchons pour trampolines

Publication

**EP 2428289 B1 20130403 (EN)**

Application

**EP 10175829 A 20100908**

Priority

EP 10175829 A 20100908

Abstract (en)

[origin: EP2428289A1] A method of fabricating sleeves for trampolines includes steps of: first, bending a plate (10) into a tube with a coupling seam (21) bonded through a bonding process to form a sleeve (20); next, expanding an opening (22) of the sleeve (20) through an opening expansion means to form a body (23) and an expanded opening section (24) extended from the body (23); applying a compressive force to the expanded opening section (24) to form an outer expanded portion (241) and an inner folding portion (242). When the sleeve (20) is coupled with a connection tube (30), the outer expanded portion (241) and inner folding portion (242) provide greater structural strength. Whether defects are formed on the coupling seam (21) at the outer expanded portion (241) and inner folding portion (242) can be easily and visually detected after the fabrication process is finished. Thus defected sleeve (20) can be instantly identified during the fabrication process to save extra inspection time. Fabrication productivity of trampolines also improves.

IPC 8 full level

**B21C 37/08** (2006.01); **B21C 37/15** (2006.01); **B21C 37/16** (2006.01); **B21C 37/28** (2006.01); **B21D 17/02** (2006.01); **B21D 41/02** (2006.01); **B21D 41/04** (2006.01)

CPC (source: EP)

**B21C 37/0815** (2013.01); **B21C 37/155** (2013.01); **B21C 37/16** (2013.01); **B21C 37/286** (2013.01); **B21D 17/02** (2013.01); **B21D 41/02** (2013.01); **B21D 41/04** (2013.01)

Cited by

DE102015110998A1; PL441177A1; PL245550B1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2428289 A1 20120314; EP 2428289 B1 20130403**

DOCDB simple family (application)

**EP 10175829 A 20100908**