

Title (en)
Laying wire around core

Title (de)
Drahtverlegung rundum einer Seele

Title (fr)
La pose de fils autour d'un âme

Publication
EP 0735546 A1 19961002 (EN)

Application
EP 96200701 A 19960314

Priority
• EP 96200701 A 19960314
• EP 95200769 A 19950328

Abstract (en)
A method of laying a layer of at least one steel wire (18) around a core (12), said at least one steel wire consisting of several lengths, each of said lengths having a leading end and a trailing end ; said method comprising following steps : (a) connecting the trailing end of the lengths to the leading end of a subsequent length resulting in at least one steel wire with affected zones in the neighbourhood of the connections and in non-affected zones elsewhere, the non-affected zones having a yield strength which is substantially greater than the yield strength in the affected zones ; (b) subjecting said at least one steel wire (18) to a first torsion in a first direction and to a first extent necessary to plastically deform said at least one steel wire into a helically twisted configuration about its longitudinal axis ; (c) subjecting said at least one steel wire (18) to a second torsion in a second direction opposite to said first direction and to a second elastical extent necessary to avoid that said helically twisted configuration would concentrate mainly on said affected zones ; (d) wrapping said at least one steel wire (18) around said core (12). <IMAGE>

IPC 1-7
H01B 13/26

IPC 8 full level
H01B 13/26 (2006.01)

CPC (source: EP)
H01B 13/26 (2013.01)

Citation (search report)
[A] DE 3919135 A1 19901213 - NORDDEUTSCHE SEEKABELWERKE AG [DE]

Designated contracting state (EPC)
BE DE FI FR GR IT SE

DOCDB simple family (publication)
EP 0735546 A1 19961002

DOCDB simple family (application)
EP 96200701 A 19960314