

Title (en)

METHOD FOR WINDING WIRE ON WIRE HOLDERS, AND WIRE HOLDER FOR TAKING UP THE WIRE

Publication

EP 0029971 B1 19840926 (DE)

Application

EP 80107260 A 19801121

Priority

DE 2948241 A 19791130

Abstract (en)

[origin: US4553707A] Wire is wound in conical layers upon a conical core of a reel or other structure upon which wire can be wound until a predetermined outer diameter of a wound reel is reached. The wire is then wound in layers of decreasing lengths to form a wound reel which has an outer cylindrical shape of the same diameter. A reel can be used from which the core can be removed after winding so that upon unwinding, the wire can be pulled from the interior of the wound reel.

IPC 1-7

B65D 85/04; **B65H 49/02**; **B65H 54/10**; **B65H 55/04**

IPC 8 full level

B65D 85/04 (2006.01); **B65H 49/02** (2006.01); **B65H 54/02** (2006.01); **B65H 54/10** (2006.01); **B65H 55/04** (2006.01)

CPC (source: EP US)

B65D 85/04 (2013.01 - EP US); **B65H 49/02** (2013.01 - EP US); **B65H 54/10** (2013.01 - EP US); **B65H 55/04** (2013.01 - EP US)

Cited by

DE102005011022A1; EP0125941A1; FR2544233A1; US4512533A; EP0109539A3; EP0070243A1; FR2509705A1; EP0334211A1; DE3809635A1; DE3809635C3; DE3844964C2; DE3809635C2; US7780103B2

Designated contracting state (EPC)

BE FR GB IT SE

DOCDB simple family (publication)

EP 0029971 A1 19810610; **EP 0029971 B1 19840926**; BR 8007823 A 19810616; DE 2948241 A1 19810604; DE 2948241 C2 19900517; JP S5693660 A 19810729; US 4553707 A 19851119

DOCDB simple family (application)

EP 80107260 A 19801121; BR 8007823 A 19801128; DE 2948241 A 19791130; JP 16901380 A 19801129; US 21190780 A 19801201