

Title (en)

Reel for transporting elongate articles

Title (de)

Spule zum Transportieren langgestreckter Gegenstände

Title (fr)

Bobine pour transporter des articles allongés

Publication

EP 0780334 B1 19990714 (EN)

Application

EP 96308706 A 19961202

Priority

- JP 34860195 A 19951218
- JP 30380496 A 19961028

Abstract (en)

[origin: EP0780334A1] A reel for transporting elongate articles has a pair of substantially flat and round discs (2), and a hub (3) of a cylindrical shape and interposed between the discs to connect them one to another. Hooks (8) each having a hooking head and a body are secured to an inner periphery of the hub (3). One or more resilient pawls (9) are provided for each disc, the pawl having a locking end and a body also secured to the inner periphery. The hooking heads are bent perpendicular to the respective bodies, facing in the same circular direction and protruding from open ends of the hub (3) beyond an outer face of each disc. The locking end of the pawl (9) is elastically and temporarily displaceable in an axial direction of the hub. Slots (10) are formed in each disc for engagement with the respective the hooking heads. At least one aperture (11) is also formed in each disc for engagement with the locking ends of the resilient pawls, such that the reel can be assembled and disassembled easily and readily to make it possible to pack the reels compact in a cargo when they have been emptied. <IMAGE>

IPC 1-7

B65H 75/22

IPC 8 full level

B65H 75/22 (2006.01)

CPC (source: EP KR US)

B65H 29/00 (2013.01 - KR); **B65H 75/2245** (2021.05 - EP KR US); **B65H 75/2254** (2021.05 - EP KR US); **B65H 2701/5122** (2013.01 - EP); **B65H 2701/5136** (2013.01 - EP)

Cited by

MY119380A; DE102007014508A1; DE102007014508B4; WO2012098001A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0780334 A1 19970625; **EP 0780334 B1 19990714**; CN 1152817 C 20040609; CN 1168858 A 19971231; DE 69603247 D1 19990819; KR 100423584 B1 20040626; KR 970042185 A 19970724

DOCDB simple family (application)

EP 96308706 A 19961202; CN 96121561 A 19961217; DE 69603247 T 19961202; KR 19960067148 A 19961218