

Title (en)
Reel and method of assembly

Title (de)
Spule und Zusammenbauverfahren

Title (fr)
Bobine et méthode d'assemblage

Publication
EP 1350752 A3 20040102 (EN)

Application
EP 03252082 A 20030402

Priority
US 37049102 P 20020405

Abstract (en)
[origin: EP1350752A2] A reel and a method of assembling and disassembling the reel are described. The reel includes a pair of flanges (10), each flange engaged with the circular or polygonal end of a flexed stave pane formed from appropriately sized staves (20) connected to one another by one or more flexible bands (30). To make the reel, the staves (20) are aligned side by side and connected to one another by way of the flexible bands (30). Once connected, the staves (20) form the flexible stave pane having joints in between each stave. Assembly of the reel involves flexing the stave pane into a tubular barrel with circular or polygonal ends adapted to correspond with a stave-engaging portion (12) on each flange (10). Once one end is engaged with the stave-engaging portion of one flange, the opposing end of the flexed stave pane is engaged with a second stave-engaging portion on the second flange and the flanges are connected. <IMAGE> <IMAGE>

IPC 1-7
B65H 75/22

IPC 8 full level
B65H 75/22 (2006.01)

CPC (source: EP US)
B65H 75/2227 (2021.05 - EP US); **B65H 75/2245** (2021.05 - EP US); **B65H 75/2263** (2021.05 - EP US); **B65H 2701/5132** (2013.01 - EP US); **B65H 2701/5134** (2013.01 - EP US); **B65H 2701/5136** (2013.01 - EP US); **B65H 2701/515** (2013.01 - EP US); **B65H 2701/51522** (2013.01 - EP US); **B65H 2701/51524** (2013.01 - EP US); **B65H 2701/51526** (2013.01 - EP US); **B65H 2701/51528** (2013.01 - EP US)

Citation (search report)

- [X] AT 328531 B 19760325 - HOPPICHLER & CO [AT]
- [X] DE 1574434 A1 19710527 - SIEMENS AG
- [X] GB 347168 A 19310422 - ARTHUR ALEXANDER DASHWOOD LANG
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11 3 January 2001 (2001-01-03)

Cited by
FR2938520A1; EP2682244A3; US9950894B2; WO2014173499A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1350752 A2 20031008; EP 1350752 A3 20040102; PL 359457 A1 20031006; US 2003189128 A1 20031009

DOCDB simple family (application)
EP 03252082 A 20030402; PL 35945703 A 20030401; US 40231003 A 20030327