

Title (en)
Three piece spool

Title (de)
Dreiteilige Spule

Title (fr)
Bobine en trois parties

Publication
EP 1184323 A2 20020306 (EN)

Application
EP 01203173 A 20010823

Priority
US 22961800 P 20000831

Abstract (en)
A wire spool comprising three structural components including two end flanges (14) and a rigid fiberboard barrel (16). The end flanges (14) may be molded plastic or stamped sheet metal. The end flanges have central plug portions (18) that are mechanically locked into the barrel (16). The central plug portions include teeth (28) which dig into the barrel (16) to substantially permanently secure the end flanges (14) to the barrel such that the wire spool has sufficient strength to allow electricians to pick up a fully loaded wire spool by the end flange and such that the end flanges cannot typically be removed by hand except with the assistance of leverage tools. The plug portion (18) also may include elongate axially extending lugs (34) that engage the barrel (16) and enhance torque transfer between the barrel and the end flanges. <IMAGE>

IPC 1-7
B65H 75/14

IPC 8 full level
B65H 75/14 (2006.01); **B65H 75/28** (2006.01)

CPC (source: EP US)
B65H 75/14 (2013.01 - EP US); **B65H 75/28** (2013.01 - EP US); **B65H 2701/51522** (2013.01 - EP US)

Cited by
CN102935964A; CN107878598A

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US 2002023984 A1 20020228; CA 2355515 A1 20020228; EP 1184323 A2 20020306; EP 1184323 A3 20020814; MX PA01008740 A 20040812

DOCDB simple family (application)
US 92892801 A 20010813; CA 2355515 A 20010820; EP 01203173 A 20010823; MX PA01008740 A 20010829