

Title (en)  
REINFORCED THERMOPLASTIC PIPE MANUFACTURE

Title (de)  
ROHRHERSTELLUNG AUS VERSTÄRKTEM THERMOPLAST

Title (fr)  
FABRICATION D'UN TUYAU THERMOPLASTIQUE RENFORCE

Publication  
**EP 1444159 A1 20040811 (EN)**

Application  
**EP 01995307 A 20011031**

Priority  
US 0145480 W 20011031

Abstract (en)  
[origin: CA2465302A1] A fiber reinforced thermoplastic pipe member (54) is obtained by a novel continuous process in which the reinforcement fibers (22, 34, 44) are wrapped about the outer pipe surface (14) in an unbonded condition while the pipe member (14) continuously moves in a linear direction and which is followed by sufficient heating (50) of the moving fiber wrapped pipe member to cause thermal bonding between the applied fibers and the pipe member. Automated apparatus (10) for carrying out the continuous process is also disclosed.</S DOAB>

IPC 1-7  
**B65H 81/00**; **B32B 31/00**

IPC 8 full level  
**F16L 9/12** (2006.01); **B29C 70/16** (2006.01); **B32B 1/08** (2006.01); **B65H 81/00** (2006.01); **B29K 101/12** (2006.01); **B29K 105/08** (2006.01); **B29L 23/00** (2006.01)

IPC 8 main group level  
**B65H** (2006.01)

CPC (source: EP KR)  
**B29C 53/64** (2013.01 - EP); **B29C 53/68** (2013.01 - EP); **B29C 63/06** (2013.01 - KR)

Citation (search report)  
See references of WO 03037770A1

Cited by  
CN113320139A

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DOCDB simple family (publication)  
CA 2465302 A1 20030508; CA 2465302 C 20110111; EP 1444159 A1 20040811; IL 161646 A0 20040927; JP 2005507329 A 20050317; KR 20040055797 A 20040626; MX PA04004096 A 20040906

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