

Title (en)

THERMOPLASTIC SYNTACTIC FOAM PIPE INSULATION.

Title (de)

ROHRISOLIERUNG AUS THERMOPLASTISCHEM SYNTAKTISCHEN SCHAUM.

Title (fr)

MOUSSE THERMOPLASTIQUE A MICROSPHERES SERVANT A ISOLER UN TUYAU.

Publication

EP 0637282 A4 19941205 (EN)

Application

EP 93909186 A 19930329

Priority

- US 9302870 W 19930329
- US 86086892 A 19920331

Abstract (en)

[origin: WO9319927A1] Flexible syntactic foam insulation, and methods for making it, are disclosed. A low melt index thermoplastic resin is fluidified to produce a melt stream, and microspheres are metered into the melt stream under low shear conditions. The method allows for faster production of syntactic foams and for the production of higher quality foams because breakage of the microspheres is substantially reduced. An integral insulated pipe section (16) including a pipe (17) and a covering of syntactic foam insulation (18) is produced.

IPC 1-7

B29C 67/20; **C08J 9/32**; **F16L 9/14**

IPC 8 full level

B29C 70/66 (2006.01); **C08J 9/32** (2006.01); **F16L 9/14** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] EP 0390147 A2 19901003 - GOODRICH CO B F [US]
- [X] DATABASE WPI Section Ch Week 8524, Derwent World Patents Index; Class A31, AN 85-144692, 3M UTD KINGDOM PLC: "Glass bubbles for modifying thermoplastics - are compounded with thermoplastics or elastomers to minimise breakage during processing" & RESEARCH DISCLOSURE, vol. 253, no. 015, 10 May 1985 (1985-05-10), EMSWORTH, GB
- See references of WO 9319927A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 9302870 W 19930329; AU 3968993 A 19930329; BR 9306155 A 19930329; CA 2131916 A 19930329; EP 93909186 A 19930329; JP 51757893 A 19930329; NO 943611 A 19940929; RU 94045989 A 19941028