

Title (en)
EPOXY-SYNTACTIC-FOAM-INSULATED METAL PIPES

Title (de)
METALLROHRE, DIE MIT EINEM AUF EINEM EPOXIDHARZ BASIERTEN SYNTAKTISCHEN SCHAUM ISOLIERT SIND

Title (fr)
TUBES METALLIQUES ISOLES AVEC UNE MOUSSE SYNTACTIQUE EPOXY

Publication
EP 1090066 A1 20010411 (EN)

Application
EP 99920179 A 19990430

Priority

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- US 8388898 P 19980501
- US 8388598 P 19980501

Abstract (en)
[origin: WO9957182A1] A lightweight, insulated pipe for underwater or out of water use, including a metal pipe and an insulation layer covering the metal pipe, wherein the insulation layer includes at least one cured epoxy resin binder and hollow microballoons. The pipe is formed on a metal pipe by first forming a liquid epoxy-based mastic comprising at least one type of epoxy resin and having microballoons dispersed therein. The liquid mastic is then applied onto the exterior surface of a metal pipe to form a mastic coating on that surface. The mastic coating is then allowed to cure, or is cured to form a low density syntactic foam insulation layer.

IPC 1-7
C08J 9/32; **B29C 67/20**; **F16L 59/02**

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 9957182A1

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