Abstract: A method of forming a wellbore casing within a borehole (10) that traverses a subterranean formation, is provided by assembling a tubular liner by coupling a multi-layer tubular insert (92) threaded portion (24) of a first tubular member (16), and coupling a threaded portion (22) of a second tubular member (14) to the threaded portions (24) of the first (16) tubular member and the multi-layer tubular insert (92), the tubular liner assembly is positioned within the borehole (10); and the tubular liner assembly within the borehole (10) is radially expanded and plastically deformed. The multi-layer tubular insert (92) includes a first tubular insert having a first modulus of elasticity; and a second tubular insert coupled to the first tubular insert having a second modulus of elasticity. The first modulus of elasticity is different from the second modulus of elasticity.
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

Published:
— with international search report

(88) Date of publication of the international search report: 5 August 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A.  CLASSIFICATION OF SUBJECT MATTER
    IPC(7)  :  E21B.23/00; F16L.25/00
    US CL  :  166/207.380;; 285/333
According to International Patent Classification (IPC) or to both national classification and IPC

B.  FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
    U.S. : 166/207,380,206,313,381,242.6; 285/3335; 403/179.273

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of data base and, where practicable, search terms used)
    Please See Continuation Sheet

C.  DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>US 1,613,461 A (JOHNSON) 4 January 1927 (04.01.1927), whole document.</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.  See patent family annex.

Date of the actual completion of the international search 13 December 2003 (13.12.2003)

Date of mailing of the international search report 17 MAY 2004

Authorized officer [Signature]

Name and mailing address of the ISA/US
    Mail Stop PCT, Attn: ISA/US Commissioner for Patents
    P.O. Box 1450
    Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Form PCT/ISA/210 (second sheet) (July 1998)
Continuation of B. FIELDS SEARCHED Item 3:
JPO, EPO, Derwent

Terms: sleeve, tubular expand/expansion, coupling/coupler