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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: INSULATED TRANSITION SPOOL APPARATUS

(57) Abstract: An insulated transition spool apparatus for mounting unheading devices to pressure vessels, such as coker vessels, and enabling repetitive operation thereof is disclosed. The apparatus comprises an outer housing, an inner housing that encloses an insulating space between the inner and outer housing, a side feed entry aperture in each housing and a spool adapter flange to facilitate attachment of the spool to the vessel.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/16812

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01D 3/00; C10B 1/00, 25/20

US CL : 285/31,47,53,55,284.1,332,333,334.5,397,405,121; 202/222,239,242,245,246,250,252,254,270

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. : Please See Continuation Sheet

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,750,763 (Bechu et al) 14 Jun 1988 (19.06.1988), Fig.1.	1-24

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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International application No.
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Continuation of B. FIELDS SEARCHED Item 1:

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