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(71) Applicant and

(72) Inventor: **BORMIOLI, Lorenzo** [IT/IT]; Via Carlo Cer-
ato, 14, I-35100 Padova (IT).

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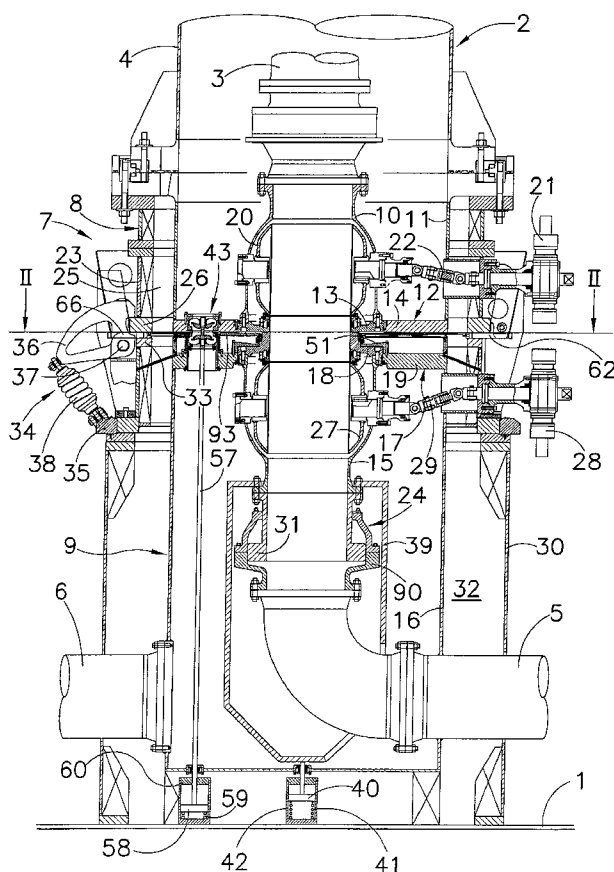
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(74) Agent: **MITTLER, Enrico**; Mittler & C. s.r.l., Viale Lom-
bardia, 20, I-20131 Milano (IT).

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(54) Title: PIPE CONNECTOR FOR CRYOGENIC USE



(57) Abstract: A connector for piping destined to the trans-
fer of fluid at very low temperature, in particular liquefied
natural gas is described. The coupling comprises a first and
a second length of piping (8, 9) that are provided with re-
spective closing valves (20, 27) and destined to be fastened,
respectively, to a piping (2) for the inflow of the fluid and
to a piping (6) for the receiving of the fluid. Onto the sec-
ond length of piping (9) a quick coupling mechanism (34) is
mounted that comprises a circumferential sequence of jaws
(36) that are suitable to provide a firm front coupling be-
tween terminal flanges (12, 17) of the two lengths of piping
(8, 9), and means (35 38) for the driving of the jaws. Each
one of said lengths of piping (8, 9) is surrounded by an ex-
ternal coating band (23, 30) that defines with said length
of piping a thermally insulating interspace (25, 32). The
two coating bands (23, 30) are passed through by respec-
tive mechanisms (22, 29) for the transmission of the motion
to said closing valves (20, 27) and the coating band (30) of
the second length of piping (9) serves as a support for said
quick-coupling mechanism (34).



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