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54 **Anchor-bonded composite structures and method of production thereof.**

57 An anchor-bonded composite plate is produced by forcing anchor parts (6) of a cladding plate (2) into corresponding anchor cavities (5, 5a) with overhanging lips in a base plate (1) with sufficient force to plastically deform the anchor parts and cause the same to fill the anchor cavities, thereby forming a positively locked anchor bond (7). The cladding plate (2) and the base plate (1) may be made of an aluminum alloy and a hard steel, respectively. The composite plate (8, 8a, 8b, 8c) thus produced is applicable as a reaction plate for a linear motor vehicle and as tank material of an LNG tanker.

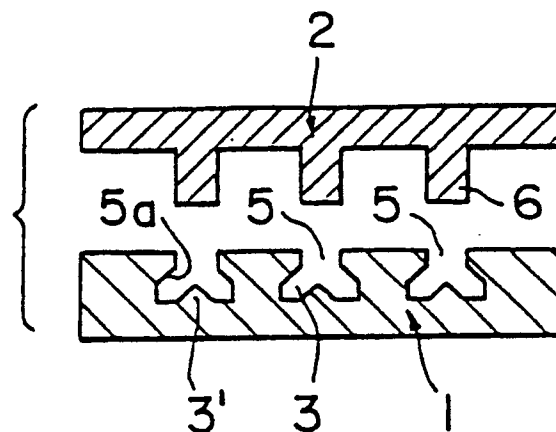


FIG. 1



EP 89 11 2770

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
P, X	EP-A-297552 (KAWASAKI JUKOGYO K.K.) * column 3, line 46 - column 4, line 12 * * column 10, line 13 - column 11, line 25 * * column 13, line 34 - column 14, line 54 * * column 16, line 53 - column 18, line 11 * * abstract; figures 1-57 * ---	1-12	B21D39/03
X	FR-A-872779 (DORMUND-HOERDER HUTTENVEREIN AKTIENGESELLSCHAFT) * the whole document * ---	1, 3, 9, 10	
X	US-A-4722125 (PENG) * column 1, lines 48 - 63; figure 2 * ---	1, 2, 9	
X	DE-C-455259 (HYDRAULIK) * the whole document * ---	7, 8	
X	US-A-1367134 (F.HACHMANN) * the whole document * -----	7, 8	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B21D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 SEPTEMBER 1990	Examiner GARELLA M. G. C. D.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			