

Title (en)
COVER FOR A HYDROPHONE SYSTEM

Publication
EP 0274685 A3 19890830 (DE)

Application
EP 87118446 A 19871212

Priority
DE 3642747 A 19861215

Abstract (en)
[origin: EP0274685A2] Covers are a mechanical and acoustic protection for a hydrophone system. Shaping and choice of material reduces flow noise, prevents cavitation and achieves acoustic transparency for water-borne noise. The new cover is intended at the same time to prevent radiation of interference noise which is produced by the structure-borne noise of the support vessel and transmitted to the cover. The wall of the cover is a laminated composite consisting of one or more dimensionally stable layers as supporting element and damping layers for flexural waves on top of and inbetween them. Material choice and dimensioning achieves the acoustic transparency for water-borne noise. Bow and keel domes and also lateral covers can be produced with such a laminated composite. <IMAGE>

IPC 1-7
G10K 11/00; H04R 1/44

IPC 8 full level
G10K 11/00 (2006.01)

CPC (source: EP)
G10K 11/002 (2013.01); **G10K 11/006** (2013.01)

Citation (search report)
• [X] US 3038551 A 19620612 - HARVEY MCCOY JOHN, et al
• [X] US 3136380 A 19640609 - HARVEY MCCOY JOHN, et al
• [X] US 2444911 A 19480713 - HUGO BENIOFF
• [A] US 3562089 A 19710209 - WARNAKA GLENN E, et al

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EP0460246A1; US6831876B1; EP2200017A3; EP1253666A3; EP3073762A4; WO2005010863A1

Designated contracting state (EPC)
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