

THIS OPINION WAS NOT WRITTEN FOR PUBLICATION

The opinion in support of the decision being entered today
(1) was not written for publication in a law journal and
(2) is not binding precedent of the Board.

Paper No. 14

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE BOARD OF PATENT APPEALS
AND INTERFERENCES

Ex parte WILLIAM H. REAMS, DOUGLAS M. HINELY,
BRIAN L. WILL, LOUIS J. MONTESI,
and GERALD R. LAIB

Appeal No. 97-3107
Application 08/520,976¹

ON BRIEF

Before THOMAS, HAIRSTON, and KRASS, Administrative Patent Judges.
KRASS, Administrative Patent Judge.

DECISION ON APPEAL

This is a decision on appeal from the final rejection of claim 1. Claim 12 has been indicated by the examiner as being allowable and is no longer before us on appeal. Claims 2 through 11 have also been allowed by the examiner.

The invention pertains to a safety arming system for an explosive device and, specifically to the arming of mines deployed into water from aircraft. The system employs a

¹ Application for patent filed August 24, 1995.

Appeal No. 97-3107
Application No. 08/520,976

Claim 1 stands rejected under 35 U.S.C. ' 102(b) as anticipated by Reams.

Reference is made to the briefs and answer for the respective positions of appellants and the examiner.

OPINION

We reverse.

At issue here is whether or not Reams discloses the claimed "environmental means responsive to detection of a high velocity of the delivery envelop during water travel..."

Clearly, the disclosures of Reams and the instant application relate to different inventions, the former employing a hydrostatic sensor for detecting when the mine, descending vertically through the water, has settled into the water to a predetermined depth for exploding the mine when a target is detected and the latter directed to hydrodynamically sensing high velocity of the delivery envelope through the water along paths other than a vertical descent path before exploding the mine when a target is detected.

The question to be answered is whether the instant invention, as claimed, distinguishes over Reams. The examiner presents a compelling case as to the broad scope of the claim by suggesting that the pressure acting against the piston in Reams is inherently proportional to the velocity of the delivery

Appeal No. 97-3107
Application No. 08/520,976

envelope during water travel. The specific language of claim 1, as written, certainly does not appear to require water travel other than in a vertical direction.

Without more, we would be inclined to agree with the examiner's conclusion of anticipation. However, we view appellants' argument, at page 2 of the reply brief, that the "environmental means" embodied in the system disclosed in the Reams patent is not equivalent to the "environmental means" of claim 1 on appeal as disclosed in the present application, to be an argument under the sixth paragraph of 35 U.S.C. ' 112 as in In re Donaldson, 16 F.3d 1189, 1193, 29 USPQ2d 1845, 1848-49 (Fed. Cir. 1994).

Accordingly, since the claim is in "means plus function" format, we construe the "environmental means responsive to detection of a high velocity of the delivery envelope during water travel for maintenance of a safe condition..." to include only those means actually disclosed in the instant application and their equivalents under 35 U.S.C. ' 112, sixth paragraph. Thus, even though not specifically mentioned in the claim language, we construe this means, in accordance with 35 U.S.C. ' 112, sixth paragraph, to include the specific water impact system 40 and hydrodynamic piston 80 described at pages 3 through 9 of the instant specification and equivalents thereof so that the "generation of hydrodynamic pressure during travel of device

Appeal No. 97-3107
Application No. 08/520,976

10 through water at a predetermined high velocity"
[specification-page 7] is detected, thus excluding parachute
drops and such, as disclosed by Reams, wherein the deployment
envelope sinks, relatively slowly, and vertically, in the water.

The examiner's decision rejecting claim 1 under 35 U.S.C.
' 102(b) is reversed.

REVERSED

James D. Thomas)	
Administrative Patent Judge)	
)	
)	
)	
Kenneth W. Hairston)	BOARD OF PATENT
Administrative Patent Judge)	APPEALS AND
)	INTERFERENCES
)	
)	
Errol A. Krass)	
Administrative Patent Judge)	

Appeal No. 97-3107
Application No. 08/520,976

Office of Counsel, Code 004
Naval Surface Warfare Center
Carderock Division
9500 MacArthur Boulevard
West Bethesda, MD 20817-5700

Appeal No. 97-3107
Application No. 08/520,976