

ABSTRACT**SONAR SYSTEM WITH CURVED ANTENNA OR ANTENNA
CONFIGURED TO TRANSMIT THE SAME TRANSMISSION PATTERN AS
THE CURVED ANTENNA**

5 Sonar system intended to image the seabed, comprising at least one
emission antenna (10) intended to emit an acoustic beam covering a useful
angular sector (4) delimited by a first direction (d1) and a second direction
10 (d2), the distance between the antenna (10) and the seabed (5) being more
significant in the first direction (d1) than in the second direction (d2). The
emission device is configured so as to form an emission pattern whose
maximum is situated substantially in the first direction (d1) and which
decreases from the first direction (d1) to the second direction (d2) and from
15 the first direction (d1) in the sense opposite to the second direction (d2), the
energy attenuation being faster in the sense opposite to the second direction
(d2) than toward the second direction (d2).

Fig. 1.