

ABSTRACT**A CYLINDRICAL ELEMENT PROFILED TO REDUCE VORTEX INDUCED VIBRATION (VIV) AND/OR DRAG**

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A generally cylindrical element [10] that is adapted for immersion in water is described. The generally cylindrical element [10] has an outer surface [11] that is in contact with the water in use. The outer surface [11] has at least two rows of repeating shapes [20], for example hexagons [20], provided on the surface [11],
10 where each row of repeating shapes [20] is separated from the other or the adjacent row(s) by a groove arrangement [30]. Each shape [20] within a row is separated from the, or each, adjacent shape [20] by at least one groove [30]. Each of the repeating shapes [30] comprises six sides to form a hexagon shape [30]. This configuration of the surface [11] reduces Vortex Induced Vibration [VIV]
15 and/or drag that may act upon the generally cylindrical element [10] when it is immersed in a body of water.

Figure 1

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