

A B S T R A C T
STRAIN MONITORING SENSOR

5 A strain monitoring device comprises an elongate
radiation guide, typically an optical fibre, whose
cross-section is modified in accordance with a
predetermined mathematical relationship over a portion
of its length at which it is emplaced in use on a
10 material which is to be subject to strain. When energy
is transmitted down the radiation guide, the output can
be measured and converted to a strain value and as a
result of a predeterminable correlation relationship
between radiation output and such strain.

Figure 1