

ABSTRACT

ELECTRICAL CONNECTION SYSTEM

5 An electrical connection system 10 for providing
electrical connection between first and second devices
comprises one or more electrical connection posts 12 and
one or more electrical connection tubes 14. Each post 12
has a first end 16 and an opposite second end 18, where
10 the first end 16 is configured to electrically connect
with a first device such as a photovoltaic cell 20. Each
tube 14 has an opening 22 to receive and provide
electrical connection with the second end 18 of a
respective post 12. First and second end connectors 24
15 and 26 are provided at respective opposite axial ends of a
connection tube 14 to enable end to end electrical
connection between adjacent tubes 14. The opening 22
comprises a longitudinal slot 72 together with a plurality
of secondary slots 74. Each secondary slot 74 comprises a
20 first length 76 that extends in a circumferential
direction, and a second length 78 that extends in the
axial direction, with a circular portion 80 that acts as
an electrical contact. In order to connect the posts 12
to a tube 14 the tube 14 is orientated so that the ends 18
25 of the posts 12 are in alignment with the slot 22. The
tube is then slid axially so that the ends 18 of the post
12 are located within the slot 22 and inside the tube 14
adjacent respective first lengths 76 of a slot 74. The
tube is then rotated about its longitudinal axis and then
30 slid axially so as to finally locate the ends 18 within
the circular portions 80.

Figure 10