

ABSTRACT**TITLE OF THE INVENTION : MULTILEVEL POWER
CONVERSION DEVICE**

A multilevel power conversion device comprises: N DC
5 power supplies (DCC1 to DCCN) ($N \geq 1$) connected in series
and common to each phase; first flying capacitors (FC1,
FC3, ..., FC2N-1) having one end connected to the negative
electrode end of each of the DC power supplies (DCC1 to
DCCN) and common to each phase; a second flying
10 capacitors (FC2, FC4, ..., FC2N) having one end connected
to the positive electrode end of each of the DC power
supplies (DCC1 to DCCN) and common to each phase; and
a phase module using, as input terminals, the positive and
negative electrode ends of the first flying capacitors (FC1,
15 FC3, ..., FC2N-1) and the positive and negative electrode
ends of the second flying capacitors (FC2, FC4, ..., FC2N).
In the phase module, a capacitor (FC1u) is connected in
parallel with the two switching elements (Su7, Su8) of an
output stage. This reduces the number of elements used in
20 a multiphase multilevel power conversion device, thereby
reducing the cost of the device and reducing the size of the
device.

FIG. 2