



162162

- 30 -

**AMPLIFIER ARRANGEMENT WITH VOLTAGE GAIN AND REDUCED
POWER CONSUMPTION**

5 An amplifier arrangement includes a first amplifier powered by a pair
of lower voltage power supplies, a second amplifier powered by a pair of higher
voltage power supplies and a drive control device. This amplifier arrangement
has both current and voltage gain larger than one. The drive control device
includes a regulating device adapted to switch off the first amplifier based on the
output signal of the amplifier arrangement, and at least one current link and at
10 least one voltage controlled current source. The transition between the operation
of the first and second amplifiers is thereby controlled by the values of the
currents of these at least one current links and the at least one voltage controlled
current sources.

FIGURE 1

G00002

