Abstract

An implantable medical device for stimulating a human or animal heart, comprising a first processor, a first memory unit, a stimulation unit configured to stimulate a first cardiac region of a human or animal heart (7), and a detection unit configured to detect an electric signal at the first cardiac region of the same heart (7), wherein the detection unit comprises i) an electrode lead (4) having an electrode pole (5) and ii) a first channel for measuring electric signals provided by the electrode lead (4). A maximum sensitivity of the first channel of the detection unit is adjustable in dependence on a stimulation site of the electrode pole (5), wherein the maximum sensitivity of the first channel lies in a range of from 0.1 mV to 0.4 mV if the electrode pole (5) is intended to detect electric signals at the His bundle (6) of the heart (7).

Fig.1