

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(10) 国际公布号
WO 2019/140857 A1

(43) 国际公布日
2019 年 7 月 25 日 (25.07.2019)

(51) 国际专利分类号:
G06T 7/00 (2017.01)

(21) 国际申请号: PCT/CN2018/090905

(22) 国际申请日: 2018 年 6 月 12 日 (12.06.2018)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
201810047424.1 2018 年 1 月 18 日 (18.01.2018) CN

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(54) Title: VULNERABLE PLAQUE IDENTIFICATION METHOD, APPLICATION SERVER, AND COMPUTER READABLE STORAGE MEDIUM

(54) 发明名称: 易损斑块识别方法、应用服务器及计算机可读存储介质

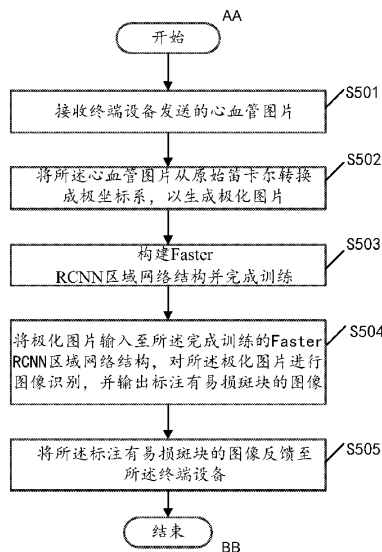


图 8

S501 Receive a cardiovascular picture sent by a terminal device
S502 Convert the cardiovascular picture into a polar coordinate system from an original Cartesian coordinate system so as to generate a polarized picture
S503 Construct a Faster RCNN regional network structure, and complete training thereof
S504 Input the polarized picture into the trained Faster RCNN regional network structure, perform image identification on the polarized picture, and output an image marked with a vulnerable plaque
S505 Feed the image marked with the vulnerable plaque back to the terminal device
AA Start
BB End

(57) Abstract: Disclosed is a vulnerable plaque identification method. The method comprises: receiving a cardiovascular picture sent by a terminal device; converting the cardiovascular picture into a polar coordinate system from an original Cartesian coordinate system so as to generate a polarized picture; constructing a Faster RCNN regional network structure, and completing training thereof; inputting the polarized picture into the trained Faster RCNN regional network structure, performing image identification on the polarized picture, and outputting an image marked with a vulnerable plaque; and feeding the image marked with the vulnerable plaque back to the terminal

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本国际公布:

- 包括国际检索报告(条约第21条(3))。

device. Also provided are an application server and a computer readable storage medium.

(57) 摘要: 公开了一种易损斑块识别方法, 该方法包括: 接收终端设备发送的心血管图片; 将所述心血管图片从原始笛卡尔转换成极坐标系, 以生成极化图片; 构建Faster RCNN区域网络结构并完成训练; 将所述极化图片输入至所述完成训练的Faster RCNN区域网络结构, 对所述极化图片进行图像识别, 并输出标注有易损斑块的图像; 将所述标注有易损斑块的图像反馈至所述终端设备。还提供了一种应用服务器及计算机可读存储介质。