

ABSTRACT**MOBILE X-RAY DEVICE WITH TELESCOPIC COLUMN**

Device comprising: a chassis (1) which supports the entire assembly, a
5 telescopic column (2) which comprises a lower fixed portion (5) rotating with
respect to a vertical axis, and at least one upper mobile portion (6), a telescopic
arm (3) that moves along the vertical column and that supports an x-ray emitter
(4) at its end, wherein the telescopic arm-head assembly can be moved from
10 the lower position of the mobile column in its retracted position to the upper
position of the mobile column in its extended position, and also in that all the
movements of the column are manual and have a mechanical balancing
mechanism which comprises a first mechanism consisting of a spring, a block
and tackle, and a variable radius pulley all housed in the fixed portion of the
column, and a second balancing mechanism consisting of a recovery pulley and
15 a two-radii pulley which balances the weight between the input of the cable and
that of the telescopic arm and head assembly.

Fig.1