

Title (en)
X-RAY LINE

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EP 0497169 A3 19930512 (DE)

Application
EP 92100808 A 19920120

Priority
• DE 4102698 A 19910130
• DE 4138889 A 19911127

Abstract (en)
[origin: EP0497169A2] 2.1. An X-ray line has the following construction: inner conductor (1) or line core with a plurality of inner conductors, and concentrically around it: inner conducting sleeve, high-voltage insulation (3), outer conducting sleeve, outer conductor or screen (5) and sheath (6). During X-ray operation, transient overvoltages can occur and lead to disturbances. In the past, such overvoltages were rendered safe by means of attenuating elements which are connected in the line circuit. <??>2.2. A further remedy is to construct the line such that it has an attenuation which increases greatly with frequency above 1 MHz, without the use of attenuating elements. To this end, each inner conductor (1) consists of one or more wires having a thickness between 0.6 and 0.1 mm, of which at least one wire consists of a ferromagnetic material, preferably a nickel/iron alloy. If required, a small portion of the wires consist of copper or silver. <??>2.3. Use as an X-ray line with high attenuation. <IMAGE>

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H01B 9/02

IPC 8 full level
H01B 1/02 (2006.01); **H01B 7/00** (2006.01); **H01B 7/30** (2006.01); **H01B 9/00** (2006.01); **H01B 9/02** (2006.01); **H05G 1/08** (2006.01); **H05G 1/54** (2006.01)

CPC (source: EP US)
H01B 7/0054 (2013.01 - EP US); **H01B 9/027** (2013.01 - EP US); **H05G 1/08** (2013.01 - EP US)

Citation (search report)
• [AD] DE 8526448 U1 19851107
• [A] US 4684766 A 19870804 - TANAKA SHIGERU [JP], et al

Cited by
EP2117010A4; EP0933980A3

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