

Title (en)  
X-RAY MICROSCOPE WITH ZONE PLATES

Title (de)  
RÖNTGENMIKROSKOP MIT ZONENPLATTEN

Title (fr)  
RADIOMICROSCOPE A LENTILLES ZONEES

Publication  
**EP 0873566 B1 20010314 (DE)**

Application  
**EP 97919244 A 19970113**

Priority  
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Abstract (en)  
[origin: DE19700880A1] The X-ray microscope where zone plates effect a monochrome condenser and a micro-objective lens, where the novelty is that at least one zone plate (4) which has a high aspect ratio (H/P) and transmission ratio (P1/P2) which is less than one, is located on the optical axis (3). Pref., the aspect ratio (H/P) increases towards the periphery of the zone plate (4). A central region of the zone plate (4) is X-ray absorbent. The zones (6,7) of the zone plate can be parallel to or inclined with respect to the optical axis (3).

IPC 1-7  
**G21K 7/00**

IPC 8 full level  
**G21K 1/06** (2006.01); **G21K 7/00** (2006.01)

CPC (source: EP US)  
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