

## X-Ray Intensifying Screens

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### Recent Publications on X-Ray Intensifying Screens:

- [Comparison of diagnostic accuracy of breast masses using digitized images versus screen-film mammography.](#)  
*BACKGROUND: Medical film digitizers play an important transitory role as...*6th August, 2008  
Department of Radiology, Xuanwu Hospital, Capital Medical University,- *Acta Radiol.* 2008 Jul;49(6):618-22. ([DOI Direct Link](#))
- [Biplanar intra-operative upper limb screening: a novel technique using standard and mini-image intensifiers.](#)  
*BACKGROUND: Medical film digitizers play an important transitory role as...*23rd July, 2008  
Department of Trauma and Orthopaedics, Whipps Cross University Hospital,- *Ann R Coll Surg Engl.* 2008 May;90(4):343-4.
- [Digital radiographic imaging: is the dental practice ready?](#)  
*BACKGROUND: Digital radiographic imaging is slowly, but surely, replacing...*27th June, 2008  
Diagnostic Sciences, Indiana University School of Dentistry, Room S110B,- *J Am Dent Assoc.* 2008 Apr;139(4):477-81.
- [\[Interview with Professor Reinhilde Jacobs. Interview by Th van Nuijs\]](#)  
*Th. van Nuijs, chief editor of the Revue Belge de Medecine Dentaire,...*18th June, 2008  
- *Rev Belge Med Dent.* 2007;62(1):33-47.
- [\[Radiologic exposure of the dental patient: comparison of the doses delivered by different techniques\]](#)  
*This paper evaluates the doses delivered to the patient during several...*18th June, 2008  
Ecole de Medecine Dentaire et de Stomatologie, Universite catholique de- *Rev Belge Med Dent.* 2007;62(1):4-24.
- [Clinical assessment and characterization of a dual tube kilovoltage X-ray localization system in the radiotherapy treatment room.](#)  
*INTRODUCTION: Although flat-panel based X-ray imaging has been well tested...*5th June, 2008  
Radiation Oncology, St. Anne's Hospital, Fall River, Massachusetts, USA.- *J Appl Clin Med Phys.* 2008 Jan 13;9(1):2318.
- [Detection of simulated inflicted metaphyseal fractures in a fetal pig model: image optimization and dose reduction with computed radiography.](#)  
*PURPOSE: To prospectively determine in a fetal pig model whether...*5th June, 2008  
Department of Radiology, Children's Hospital Boston, 300 Longwood Ave,- *Radiology.* 2008 May;247(2):381-90. ([DOI Direct Link](#))
- [The use of photostimulable phosphor systems for periodic quality assurance in radiotherapy.](#)  
*The fusion of radiological and optical images can be achieved through...*7th May, 2008

Dipartimento di Scienze Cliniche e Biologiche, Università degli Studi- Phys Med. 2008 Mar;24(1):34-7. ([DOI Direct Link](#))

- [Accuracy of soft-copy digital mammography versus that of screen-film mammography according to digital manufacturer: ACRIN DMIST retrospective multireader study.](#)  
*PURPOSE: To retrospectively compare the accuracy for cancer diagnosis of...*26th April, 2008  
Lynn Sage Comprehensive Breast Ctr and Dept of Radiology, Feinberg School- Radiology. 2008 Apr;247(1):38-48. ([DOI Direct Link](#))
- [Digital amorphous silicon flat-panel detector radiography at different exposure doses versus mammography film: possibility of radiation dose reduction in detecting rheumatologic bone defects.](#)  
*BACKGROUND: Radiographic examinations of the skeleton are the most...*28th March, 2008  
Department of Radiology, Marienhospital Stuttgart, Stuttgart, Germany.- Acta Radiol. 2008 Mar;49(2):157-66. ([DOI Direct Link](#))
- [\[Flat-panel CT as a new perinterventional imaging modality in aortic stentgraft procedures--work in progress\]](#)  
*PURPOSE: To evaluate the value of flat-panel CT (FP-CT) as a new...*28th March, 2008  
Institut für diagnostische und interventionelle Radiologie, LKH- Rofo. 2008 Feb;180(2):127-33. Epub 2007 Dec 5. ([DOI Direct Link](#))
- [An investigation of the shielding characteristics of computed radiography cassettes.](#)  
*Computed radiography (CR) systems are rapidly replacing film screen...*26th February, 2008  
Medical Physics Department, Kent Oncology Centre, Maidstone, ME16 9QQ, UK.- Br J Radiol. 2008 Feb;81(962):151-3. ([DOI Direct Link](#))
- [Measurement accuracy of marginal bone level in digital radiographs with and without color coding.](#)  
*OBJECTIVE: New radiographic techniques have made it possible to color-code...*16th January, 2008  
Department of Oral and Maxillofacial Radiology, Peking University School- Acta Odontol Scand. 2007 Oct;65(5):254-8. ([DOI Direct Link](#))
- [Anisotropic imaging performance in breast tomosynthesis.](#)  
*We describe the anisotropy in imaging performance caused by oblique x-ray...*4th January, 2008  
Division of Imaging and Applied Mathematics, Office of Science and- Med Phys. 2007 Nov;34(11):4076-91.
- [Reduction of a grid moire pattern by integrating a carbon-interspaced high precision x-ray grid with a digital radiographic detector.](#)  
*The stationary grid commonly used with a digital x-ray detector causes a...*4th January, 2008  
Department of Biomedical Engineering, College of Medicine, The Catholic- Med Phys. 2007 Nov;34(11):4092-7.

## X-Ray Intensifying Screens Patents:



- 6316175- [Light-sensitive silver halide radiographic film material having satisfactory antistatic properties during handling](#)
- 6825983- [Optical element containing an interference fringe filter](#)
- 6844047- [Optical element containing nanocomposite materials](#)
- 6846098- [Light diffuser with variable diffusion](#)
- 6864492- [Cassette assembly for use with roentgen apparatus with automatic exposure control](#)
- 6869675- [Durable overcoat material](#)

- 6888663- [Optical element containing nano-composite particles](#)
- 6890642- [Surface formed lenses on voided polymer light diffuser](#)
- 6900941- [Light diffuser with colored variable diffusion](#)
- 6958860- [Voided polymer film containing layered particulates](#)
- 7005085- [Oxygen-containing phosphor powders, methods for making phosphor powders and devices incorporating same](#)
- 6737228- [Film material exhibiting a "colder" blue-black image tone and improved preservation characteristics](#)
- 6669364- [Cassette assembly for use with roentgen apparatus with automatic exposure control](#)
- 6607876- [Radiographic film material and intensifying screen-film combination](#)
- 6335957- [Variable resolution imaging system](#)
- 6339224- [Radiation intensifying screen and radiation receptor and radiation inspection apparatus using the intensifying screen](#)
- 6342338- [Silver halide photographic material exhibiting increased covering power and "colder" blue-black image tone](#)
- 6346360- [Radiographic film material exhibiting increased covering power and "colder" blue-black image tone](#)
- 6348293- [Radiographic film material exhibiting increased covering power and "colder" blue-black image tone](#)
- 6403276- [Radiographic UV/blue film material and intensifying screen-film combination](#)
- 6472137- [Light-sensitive silver halide photographic film material and radiographic intensifying screen-film combination](#)
- 6538161- [Fluorescent substances](#)
- 6548172- [Diamond-like carbon coatings on inorganic phosphors](#)
- 6555022- [Oxygen-containing phosphor powders, methods for making phosphor powders and devices incorporating same](#)
- 7074549- [Photothermographic materials containing phosphors and methods of using same](#)
- 7122300- [Photothermographic material](#)
- 7157665- [Heat development apparatus and method](#)
- 7158164- [Thermal development method and apparatus](#)
- 7166408- [Image forming method using photothermographic material](#)
- 7214464- [High speed positive-working photothermographic radiographic film](#)
- 7214476- [Image forming method using photothermographic material](#)
- 7232652- [Photothermographic material and image forming method](#)
- 7327415- [Microvoided light diffuser](#)
- 7378038- [Process for producing phosphors](#)
- 7384732- [Method of manufacturing a photothermographic material by aqueous coating and a photothermographic material prepared therewith](#)
- 7405744- [Thermal developing apparatus](#)
- 7151238- [Thermal development apparatus and thermal development process](#)
- 7150963- [Silver halide emulsion, silver halide photosensitive material, and photothermographic material](#)
- 7145587- [Thermal development apparatus](#)
- 7123281- [Thermal development method and apparatus](#)
- 7126620- [Thermal development method and apparatus](#)
- 7129031- [Radiographic silver halide photographic material having a good developing speed, an excellent image tone and low residual color after processing](#)
- 7129032- [Black and white photothermographic material and image forming method](#)
- 7129033- [Photothermographic material and image forming method](#)
- 7132136- [Stacked microvoided light diffuser](#)
- 7133057- [Heat development apparatus and method](#)
- 7135276- [Photothermographic material and method for preparing photosensitive silver halide emulsion](#)
- 7135277- [Photothermographic material and image forming method](#)
- 7144692- [Photothermographic material](#)

- 7410745- [Photothermographic material and image forming method using same](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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