Patents and Innovation: Two Parables
XEROGRAPHY

frustrated
patent attorney

1930
Astoria 10-22-38 (The first xerographic image)
XEROGRAPHY

frustrated patent attorney

1930 1938
Xerox Model A Copier (Ox Box)
(first manually operated commercial xerographic printer)
U.S. Patent 2,221,776 (11.19.40), Electron photography
U.S. Patent 2,277,013 (3.17.42), Electric recording and transmission of pictures
U.S. Patent 2,297,691 (10.06.42), Electrophotography
U.S. Patent 2,357,809 (9.12.44), Electra-photographic apparatus
U.S. Patent 2,374,979 (5.1.45), Welding electrode holder
U.S. Patent 2,391,457 (12.25.45), Spark plug electrode construction
U.S. Patent 2,540,863 (2.6.51), Slide wire permeability tuner
U.S. Patent 2,551,582 (5.08.51), Method of printing and developing solvent images
U.S. Patent 2,583,546 (1.29.52), Electrophotographic recording
U.S. Patent 2,588,699 (3.11.52), Electrophotographic apparatus
U.S. Patent 2,599,542 (6.10.52), Electrophotographic plate
U.S. Patent 2,624,652 (1.06.53), Graphic recording
U.S. Patent 2,681,473 (6.22.54), Manufacture of plaques and the like
U.S. Patent 2,690,394 (9.28.54), Improvements in electrophotography
U.S. Patent 2,701,764 (2.8.55), Electrophotographic apparatus and methods
U.S. Patent 2,761,416 (9.04.56), Development mechanism for electrostatic images
U.S. Patent 2,815,734 (12.10.57), Method of developing xerographic images and apparatus
U.S. Patent 2,830,114 (4.08.58), Transmission of electrostatic recordings
U.S. Patent 2,842,456 (7.8.58), Improved powder cloud xerographic image
U.S. Patent 2,862,472 (12.02.58), Electrostatic image development apparatus
U.S. Patent 2,876,737 (3.10.59), Electrostatic image development
U.S. Patent 2,918,900 (12.29.59), Apparatus for xerographic development
U.S. Patent 2,922,230 (1.26.60), Xerographic powder fixing apparatus
U.S. Patent 2,928,475 (3.15.60), Electrostatic image development
U.S. Patent 2,955,052 (10.4.60), Xerographic relief image production and use
U.S. Patent 2,982,647 (5.2.61), Electrostatic image reproduction
U.S. Patent 2,990,278 (6.27.61), Method and apparatus for transferring and fixing xerographic images
U.S. Patent 3,015,304 (1.2.62), Electrostatic image reproduction
U.S. Patent 3,078,589 (2.26.63), Xerographic fusing apparatus
XEROGRAPHY

Over 300 Patents

frustrated patent attorney

1930 1938 1944 1949
Step 1: Charge the Xerox Drum

Step 2: Expose the Xerox Drum

Step 3: Develop the Latent Image

Step 4: Transfer the Image to the Copy Paper

Step 5: Fix the Image to the Copy Paper

Step 6: Clean the Xerox Drum
XEROGRAPHY

Over 300 Patents

1930 1938 1944 1949 1959

frustrated patent attorney
Prototype Workstation
(the world's first personal computer)

Xerox Alto (1973)
Graphical User Interface
1979 - Xerox Ethernet Illustration