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U.S.A. Sole/Joint ASSIGNMENT Docket No. PHN 16.400

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to U.S. Philips Corporation (hereinafter "Assignee") a corporation existing under the laws of the State of Delaware, whose business address is 100 East 42nd Street, New York, N.Y. 10017, its successors and assigns, the application for a United States Patent for the improvements in a "Sparse Index Search Method" invented by me, which application: is executed concurrently herewith □ was executed by me/us on 🗵 is Serial No. 09/039,350 filed March 13, 1998 and all rights in and to said application, and all Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all Patents on said improvements or resulting therefrom to said Assignee as assignee of the entire interest and covenant that I have full right so to do, and agree that I will communicate to said Assignee or its representatives any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said invention. (sign name here) March 27, 1998 Date (print name here) Ewout BRANDSMA (sign name here) ,Assignor

> PATENT REEL: 9320 FRAME: 0576

,Assignor

(print name here)

(sign name here)

(print name here)

Date

Date