

Title (en)
HYDROPHILIC STRUCTURE

Title (de)
HYDROPHILE STRUKTUR

Title (fr)
STRUCTURE HYDROPHILE

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Abstract (en)
A structure in which the hydrophilic properties are retained for long period of time, an ink-jet printing head having this structure, a method of their production, an ink-jet printer, and other structural members. A hydrophilic structure (100) has recesses (17) and protrusions (18) formed on the surface of the substrate. The protrusions (18) have the same height. A hydrophilic film (20) is formed on the surfaces of the recesses (17) and the protrusions (18). The hydrophilic structure (100) is provided to the ink-ejection surface of the ink-jet printing head except the ink-ejection holes, and the ink-jet printing head is mounted on the ink-jet printer. <IMAGE>

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