

Title (en)
INKJET PRINthead WITH ADJUSTABLE BUBBLE IMPULSE

Title (de)
TINTENSTRAHLDRUCKKOPF MIT EINSTELLBAREM BLASENIMPULS

Title (fr)
TÊTE D'IMPRESSION JETS D'ENCRE À RÉGLAGE DES IMPULSIONS DE BULLES

Publication
EP 2084008 B1 20140507 (EN)

Application
EP 06790346 A 20061009

Priority
AU 2006001476 W 20061009

Abstract (en)
[origin: WO2008043121A1] An inkjet printhead with an array of nozzles (26) and corresponding heaters (10) configured for heating printing fluid (20) to nucleate a vapor bubble (12) that ejects a drop (24) of the printing fluid through the nozzle. Drive circuitry (22) generates an electrical drive pulse to energize the heaters (10) and is configured to adjust the drive pulse power to vary the vapor bubble nucleation time. By varying the power of the pulse used to generate the bubble, the printhead can operate with small, efficiently generated bubbles during normal printing, or it can briefly operate with large high energy bubbles if it needs to recover decapped nozzles.

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