

Title (en)  
Liquid cartridge and image recording device

Title (de)  
Flüssigkeitskartusche und Bildaufzeichnungsvorrichtung

Title (fr)  
Cartouche liquide et dispositif d'enregistrement d'images

Publication  
**EP 2551115 B1 20140910 (EN)**

Application  
**EP 11175661 A 20110727**

Priority  
EP 11175661 A 20110727

Abstract (en)  
[origin: EP2551115A1] A liquid cartridge for a line head printer is provided comprising a casing comprising an outer surface and a liquid reservoir disposed in the casing and configured to store more than 100 Milliliter liquid therein and a liquid flow path is configured to place the liquid reservoir in fluid communication with an exterior of the liquid cartridge on the outer surface of the casing and a sensor configured to detect a first and a second position of a movable member and configured to output a signal in relation to the first and second position of the movable member and a storage configured to store data and a substrate disposed on the outer surface of the casing and on which a plurality of terminals are disposed. The plurality of terminals comprises a sensor terminal connected to the sensor and a data terminal connected to the storage and a power terminal connected to at least one of the sensor and the storage. The distance between the power terminal and the data terminal is greater than a distance between the power terminal and the sensor terminal. The liquid cartridge therefore provides an improved electrical overall robustness in respect of electrical short circuits.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP)  
**B41J 2/17513** (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17546** (2013.01); **B41J 2/17553** (2013.01)

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