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(73) Patentee: Fingerprint Cards AB, Box 2412, 403 16 Göteborg SE
 (72) Inventor: Karl Lundahl, GÖTEBORG SE
 Robert Hägglund, LINKÖPING SE
 Emil Hjalmarsson, LINKÖPING SE
 Rolf Sundblad, Ljungsbro SE
 Christer Jansson, LINKÖPING SE
 (74) Agent: KRANSELL & WENNBORG KB, Box 2096, 403 12, Göteborg SE
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 (57) Abstract:

There is provided a capacitive fingerprint sensing device (200) for sensing a fingerprint pattern (202) of a finger, said capacitive fingerprint sensing device comprising: a protective top layer (204) to be touched by said finger; a first metal layer comprising a two-dimensional array of sensing structures (208) arranged underneath said top layer; a second metal layer, arranged underneath said first metal layer, comprising a plurality of conductive structures (212), a dielectric layer (216) arranged between the first and second metal layers to electrically insulate the first metal layer from the second metal layer, the dielectric layer comprising a low-k material; and readout circuitry (218) arranged underneath said second metal layer and coupled to each of the electrically conductive sensing structures by means of via connections (214) to receive a sensing signal indicative of a distance between said finger and said sensing structure. There is also provided a method for manufacturing such a device.

