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(71) Applicant: **SCRONA AG** [CH/CH]; Soodstrasse 53, 8134 Adliswil (CH).

(72) Inventors: **SCHMID, Martin**; Guggachstrasse 40, 8057 Zurich (CH). **SCHNEIDER, Julian**; Apfhalterstrasse 29, 4132 Muttenz (CH). **GALLIKER, Patrick**; Chrummbächliweg 4a, 8805 Richterswil (CH).

(74) Agent: **E. BLUM & CO. AG**; Vorderberg 11, 8044 Zürich (CH).

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(54) Title: ELECTROHYDRODYNAMIC PRINT HEAD WITH INK PINNING

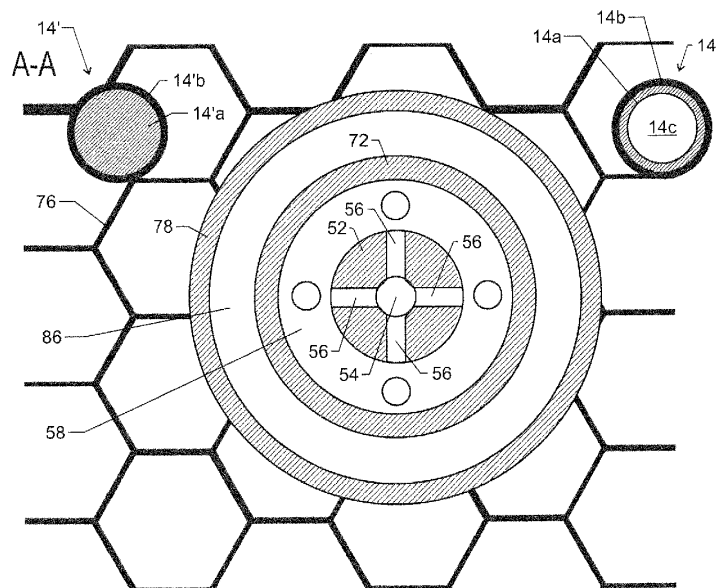


Fig. 3

(57) Abstract: The electrohydrodynamic print head comprises a nozzle carrier (6) with a plurality of nozzles (4) arranged thereon. A plurality of ejection electrodes (38) are associated with the nozzles (4). The print head further comprises at least one multilayer structure (109) with a bottom layer (110), a top layer (112), and at least one intermediate layer (114) between the bottom layer (110) and the top layer (112). The intermediate layer(s) (114) form(s) walls (116) extending between the bottom layer (110) and the top layer (112) arranged in a honeycomb pattern. A plurality of cavities (118) are located in the intermediate layer (114). It is of a polymer material and can have a substantial thickness.

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