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- (71) Applicant (for all designated States except DE, US): **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, 4070 Basel (CH).
- (71) Applicant (for DE only): **ROCHE DIABETES CARE GMBH** [DE/DE]; Sandhofer Strasse 116, 68305 Mannheim (DE).
- (71) Applicant (for US only): **ROCHE DIABETES CARE, INC.** [US/US]; 9115 Hague Road, Indianapolis, Indiana 46250 (US).
- (72) Inventors: **HOCHMUTH, Gernot**; c/o Roche Diabetes Care GmbH, Sandhofer Strasse 116, 68305 Mannheim (DE). **STECK, Alexander**; c/o Roche Diabetes Care GmbH, Sandhofer Strasse 116, 68305 Mannheim (DE). **SLIOZBERG, Kirill**; c/o Roche Diabetes Care GmbH, Sandhofer Strasse 116, 68305 Mannheim (DE).
- (74) Agent: **GEIS, Vanessa**; Patent Department, Sandhofer Strasse 116, 68305 Mannheim (DE).
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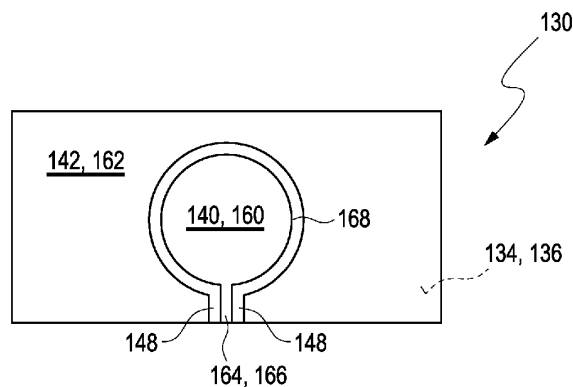


Fig. 2 B

(57) **Abstract:** An analyte sensor (130) for determining an analyte concentration in a body fluid (132) and a method for producing the analyte sensor (130) are disclosed. The analyte sensor (130) comprises: – a substrate (134) having a first surface (136), the first surface (136) being configured to be faced towards the body fluid (132) comprising the analyte; – a working electrode (140); – an interferent electrode (142); and – at least one further electrode (144) selected from the group consisting of a counter electrode (146), a reference electrode and a counter/ reference electrode; wherein each of the working electrode (140) and the interferent electrode (142) comprises a layer (210) of a conductive material (212), wherein the working electrode (140) further comprises at least one enzyme, whereas the interferent electrode (142) is devoid of enzyme, and wherein the interferent electrode (142) and the working electrode (140) are electrically separated layers located adjacently on the first surface (136) of the substrate (134). The analyte sensor (130) allows a precise determination of the analyte concentration although interferents may be comprised by the body fluid (132).

[Continued on next page]

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