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(71) Applicant: **L'AIR LIQUIDE, SOCIETE ANONYME
POUR L'ETUDE ET L'EXPLOITATION DES PRO-
CEDES GEORGES CLAUDE** [FR/FR]; 75, quai d'Orsay,
75007 Paris (FR).

(72) Inventors: **SCHMID McGuinness, Teja**; c/o Air Li-
quide Global E&C Solutions Germany GmbH, Olof-Palme-

Str. 35, 60439 Frankfurt am Main (DE). **SCHMIDT,
Sophia**; c/o Air Liquide Global E&C Solutions Germany
GmbH, Olof-Palme-Str. 35, 60439 Frankfurt am Main
(DE). **KUZNIAR, Jalub**; c/o Air Liquide Polska Sp. o.o.,
ul. Mogilska 43, Krakow, (PL). **JUNGER, Jasmin**; c/o
Air Liquide Global E&C Solutions Germany GmbH, Olof-
Palme-Str. 35, 60439 Frankfurt am Main (DE).

(74) Agent: **AIR LIQUIDE FORSCHUNG UND EN-
TWICKLUNG GMBH**; DROPSCH, Holger, Gwinner-
strasse 27-33, 60388 Frankfurt am Main (DE).

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(54) Title: PROCESS AND PLANT FOR PRODUCING PURE HYDROGEN BY STEAM REFORMING WITH REDUCED CAR-
BON DIOXIDE EMISSIONS

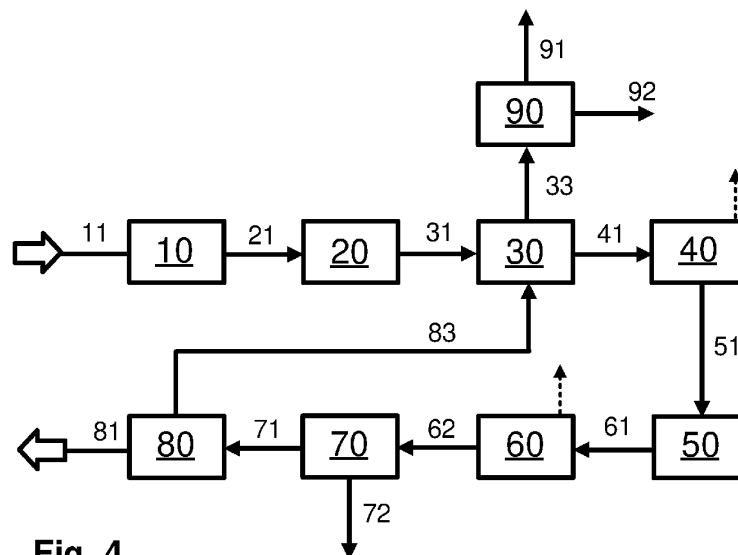


Fig. 4

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(57) Abstract: A process and a plant for producing pure hydrogen by steam reforming of a feed gas containing hydrocarbons, preferably natural gas or naphtha, with reduced carbon dioxide emissions are proposed. The reduction in carbon dioxide emissions is achieved in accordance with the invention in that carbon dioxide is separated both out of the converted cooled synthesis gas and out of the flue gas from the reformer furnace by means of suitable measures.

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