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(54) **PULSED ELECTRIC ROCK DRILLING APPARATUS WITH NON-ROTATING BIT AND  
DIRECTIONAL CONTROL**

IMPULSARTIGER ELEKTROGESTEINSBOHRER MIT NICHTROTIERENDER BOHRSPITZE UND  
DIREKTIONALER STEUERUNG

APPAREIL DE FORAGE DE ROCHE ÉLECTRIQUE PULSÉ AVEC TRÉPAN NON ROTATIF ET  
COMMANDE DE DIRECTION

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(73) Proprietor: **SDG LLC**  
**Minden, Nevada 89423 (US)**

(72) Inventor: **MOENY, William, M.**  
**Bernalillo**  
**NM 87004 (US)**

(74) Representative: **McWilliams, David John**  
**Withers & Rogers LLP**  
**4 More London Riverside**  
**London SE1 2AU (GB)**

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