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(continued on next page)

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G1G GEL G3P

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US 5970023 A US 5235556 A
US 5138583 A

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Other
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(54) Abstract Title: **Weighted slant stack for attenuating seismic noise**

(57) Method and apparatus for attenuating noise (3012, 3014) in seismic data including a plurality of input traces. The method includes transforming the seismic data from the space-time domain into the slant-stack domain (12004). Seismic data having a preselected characteristic is excluded when the transforming into the slant-stack domain. The transformed data is inverse transformed from the slant-stack domain into the time space-domain (12006). The method and apparatus may include anti-alias filtering (7002) the seismic traces. The method and apparatus may include p-anti-alias filtering (7004) seismic traces.

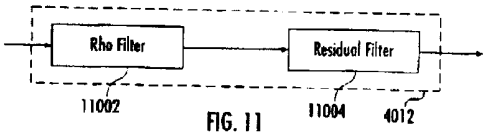
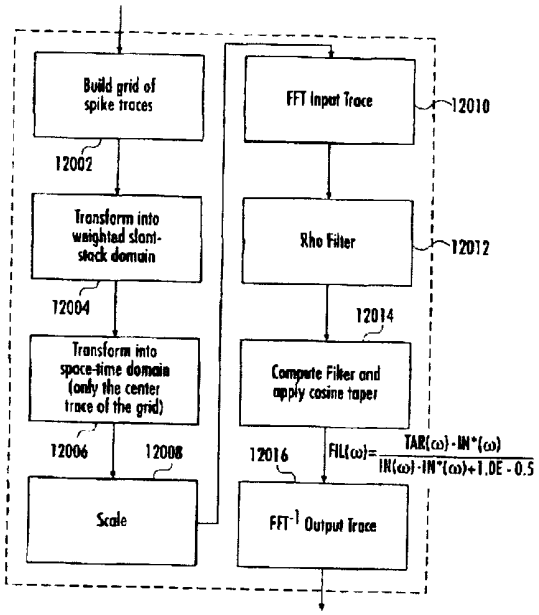


FIG. 11



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(54) Title: WEIGHTED SLANT STACK FOR ATTENUATING SEISMIC NOISE

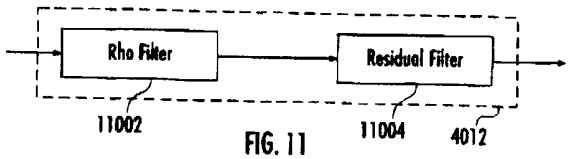
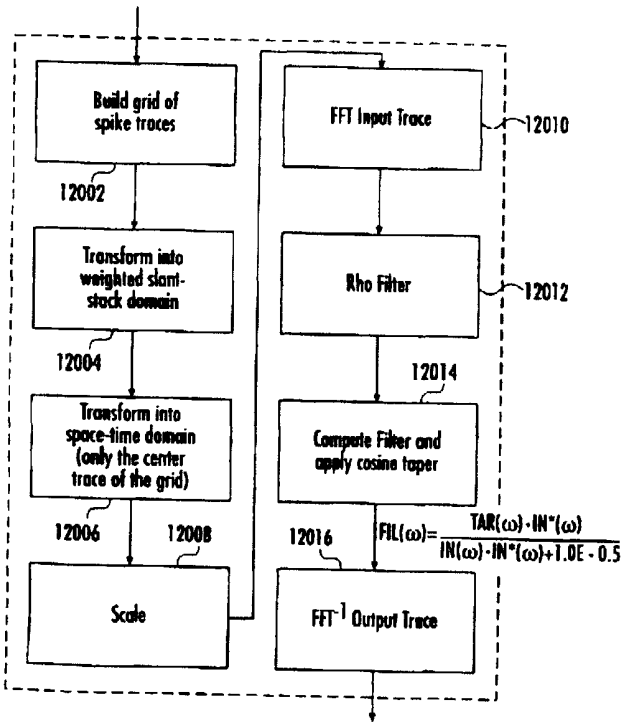


FIG. 11



(57) Abstract: Method and apparatus for attenuating noise (3012, 3014) in seismic data including a plurality of input traces. The method includes transforming the seismic data from the space-time domain into the slant-stack domain (12004). Seismic data having a preselected characteristic is excluded when the transforming into the slant-stack domain. The transformed data is inverse transformed from the slant-stack domain into the time space-domain (12006). The method and apparatus may include anti-alias filtering (7002) the seismic traces. The method and apparatus may include p-anti-alias filtering (7004) seismic traces.

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