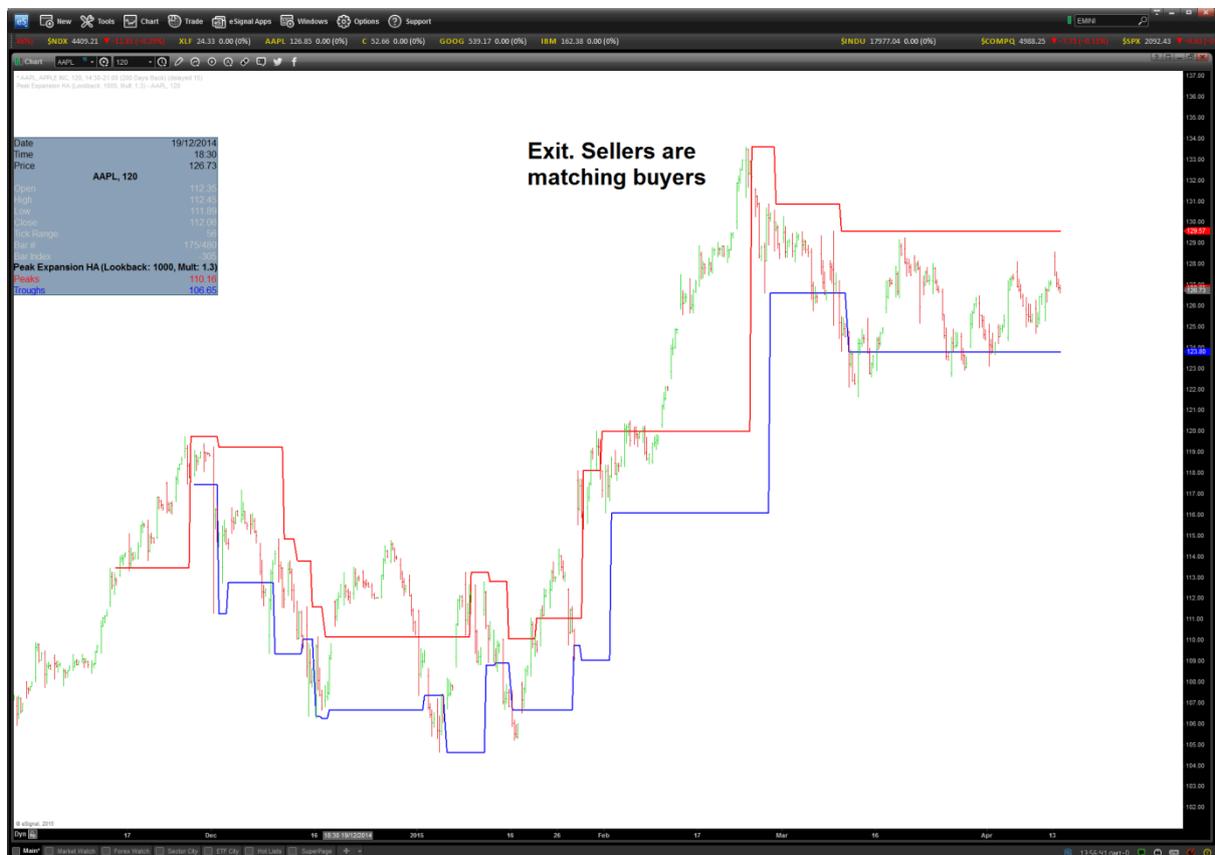


## Peak Expansion HA

The Peak Suite of studies is relatively simplistic in their concept, but this betrays the huge amount of both insight and opportunities that they present. The subject warranted over 100 pages in Trading Time, when in fact a whole book would not do the subject justice.

Peak Expansion HA plots Swing or Fractal points, but in contrast to Peak, it plots those values based on Heiken Ashi charts. Its default setting has this set as a 5 bar pattern, meaning that the middle bar of 5 is the high or low point. Every time this occurs it holds this value as a horizontal line until the next time the pattern is true.

However, the expansion element means that the behavior of the study can be radically different to normal Peaks and therefore is used in a different manner, especially on intraday charts. The chart below of apple on 120-minute highlights how radical this difference can be. The recent rally into March would have seen normal Peak values track the market higher. In contrast, the PeakExpansionHa maintained a flat value until jumping dramatically at the highs of the trend. This is due to the fact that the Expansion calculates the range of the current Peak and measures that against the average of Peaks over the last 1000 bars. In order for its value to change the current peak must be above a certain threshold against the average. The default is 30% above. This provides an exit point to the trend following long as it is the first time that sellers have matched buyers and created a meaningful fightback against the uptrend.



Peak ExpansionHA can be used in conjunction with other indicators such as the Divergence pattern Time Continuation. The bar after the pattern appears the Peak level is confirmed and a sell position can be instigated.



Within the Set-Up there is the option to place a different timeframe Peak EnergyHA, the ability to change the length of the pattern and change the multiplication factor.

