Multi-layer Coil

Inductance of a multi-layer coil of rectangular cross section can be computed by below formula when optimizing maximum distributed capacitance (Cda xxx Coo) and distributed inductance (Dla xxx Dln) of Figure (7-3) to intensify **Inductance Field Strength** (FLa xxx FLn) to function as a voltage multiplier in switch-off conditions (612a xxx 612n), as illustrated in (710) of ~ . Figure (7-10) as to **VIC Coil Assembly** (580) of Figure (6-1) and, is expressed:

Figure (7-3)

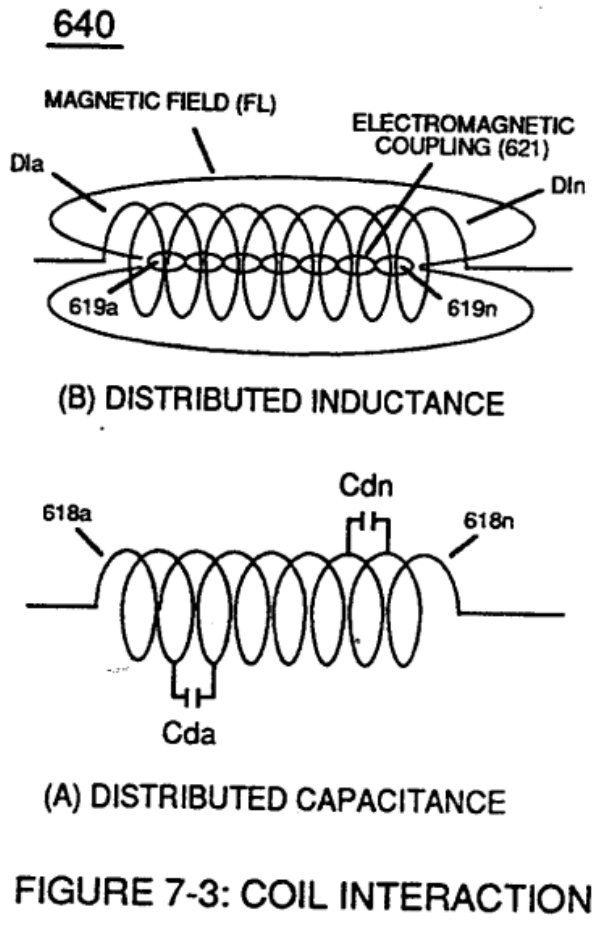

FIGURE 7-3: COIL INTERACTION

(710) of Figure (7-10)

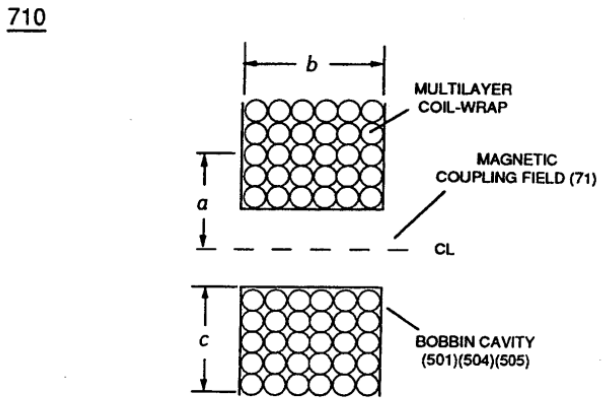

FIGURE 7-10: VOLTAGE STEPPING COILS

(580) of Figure (6-1)

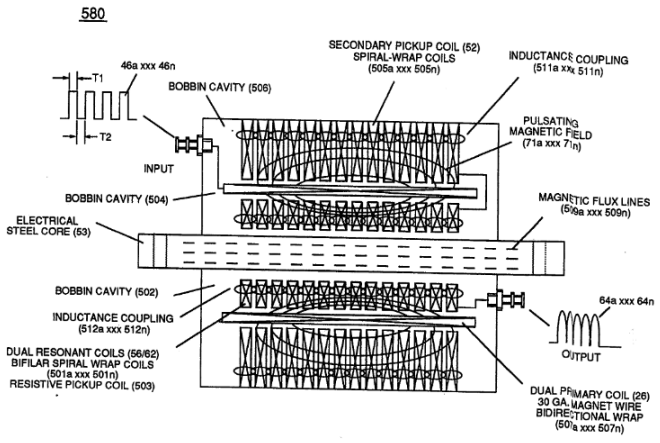

FIGURE 6-1: (VIC) COIL ASSEMBLY

(Eq 20)

$$L = \frac{0.8\,(N \times A)^2}{6A + 9B + 10C} \qquad \textit{Bobbin Cavity}$$

Where,

(L) is the **inductance** in microhenries,

(N) is the **number of turns**,

(A) is the **mean radius** in inches,

(B) is the **length of the coil** in inches,

(C) is the **depth of the coil** in inches.

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