

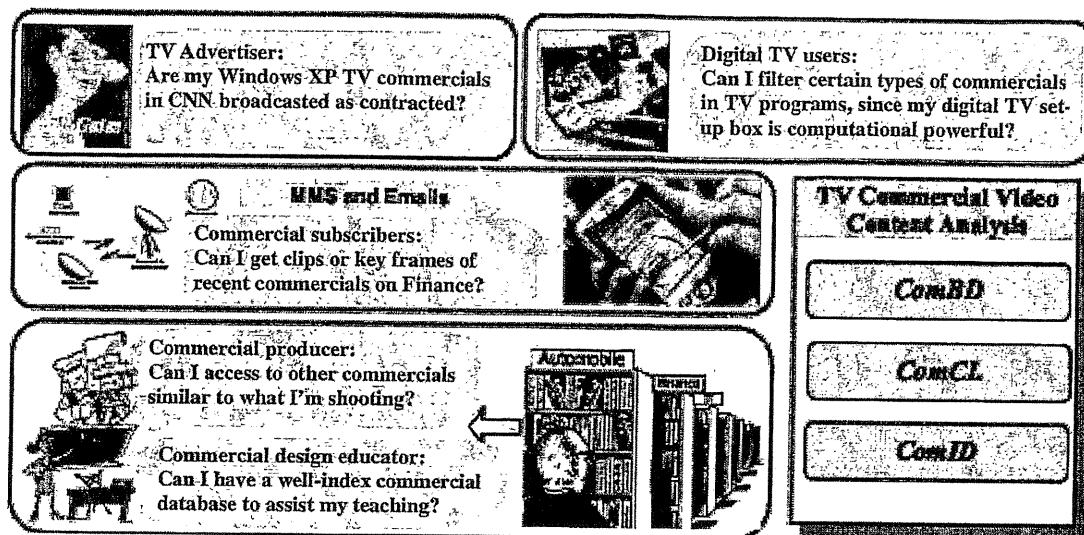
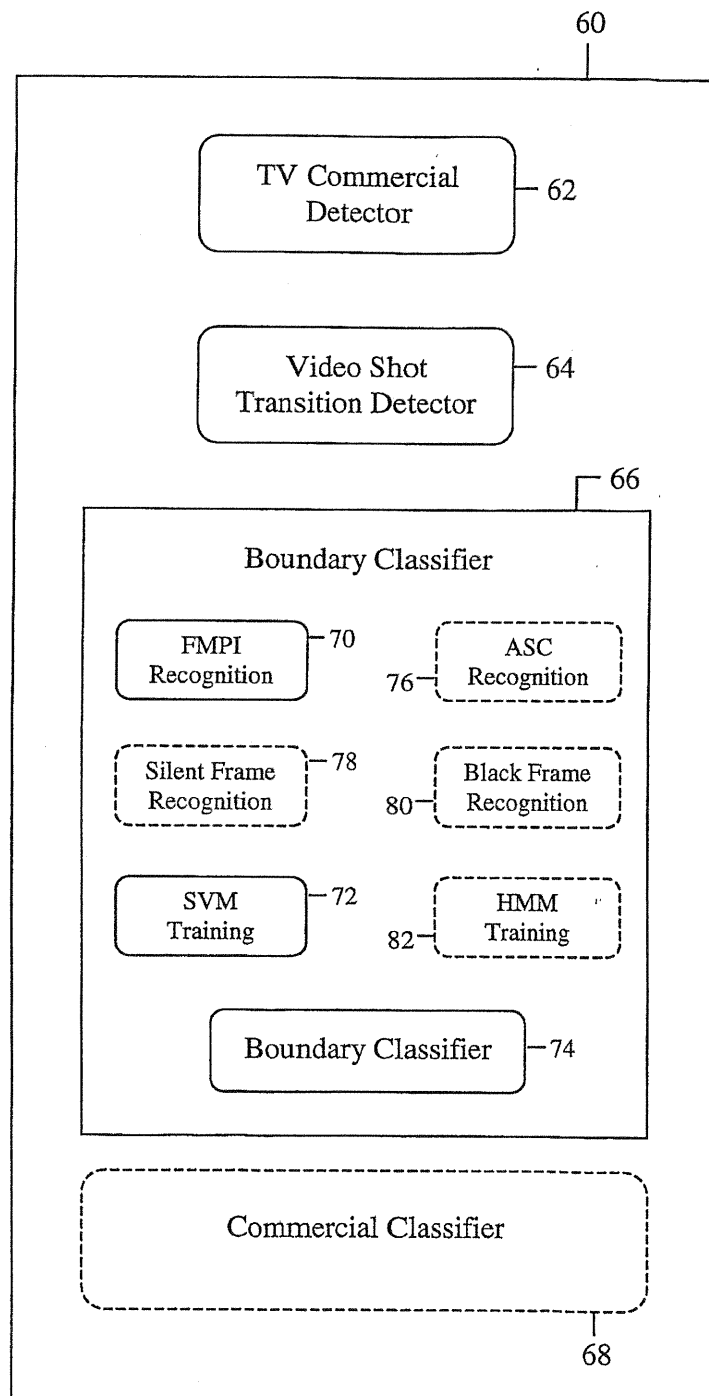
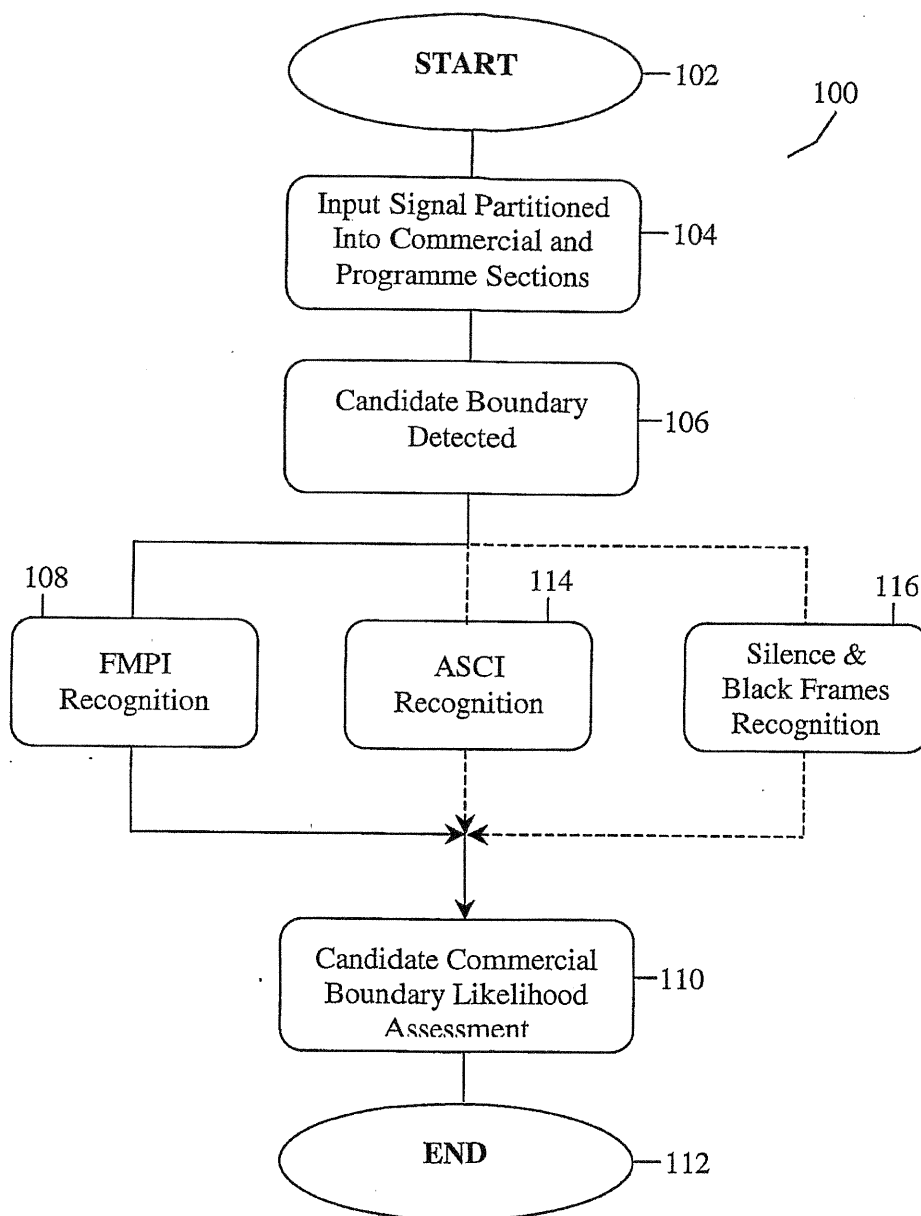


FIGURE 1

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**FIGURE 2**

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**FIGURE 3a**

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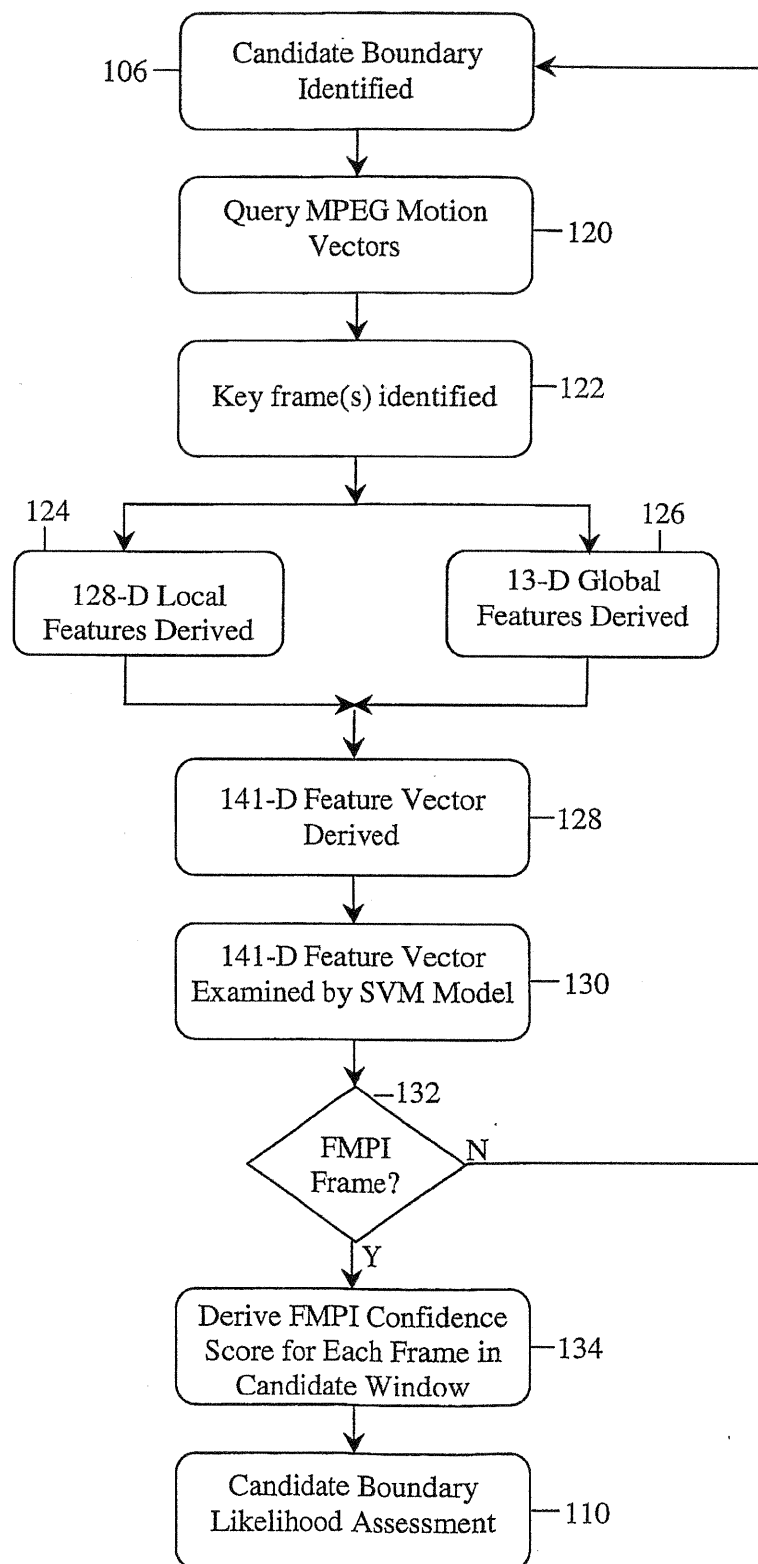


FIGURE 3b

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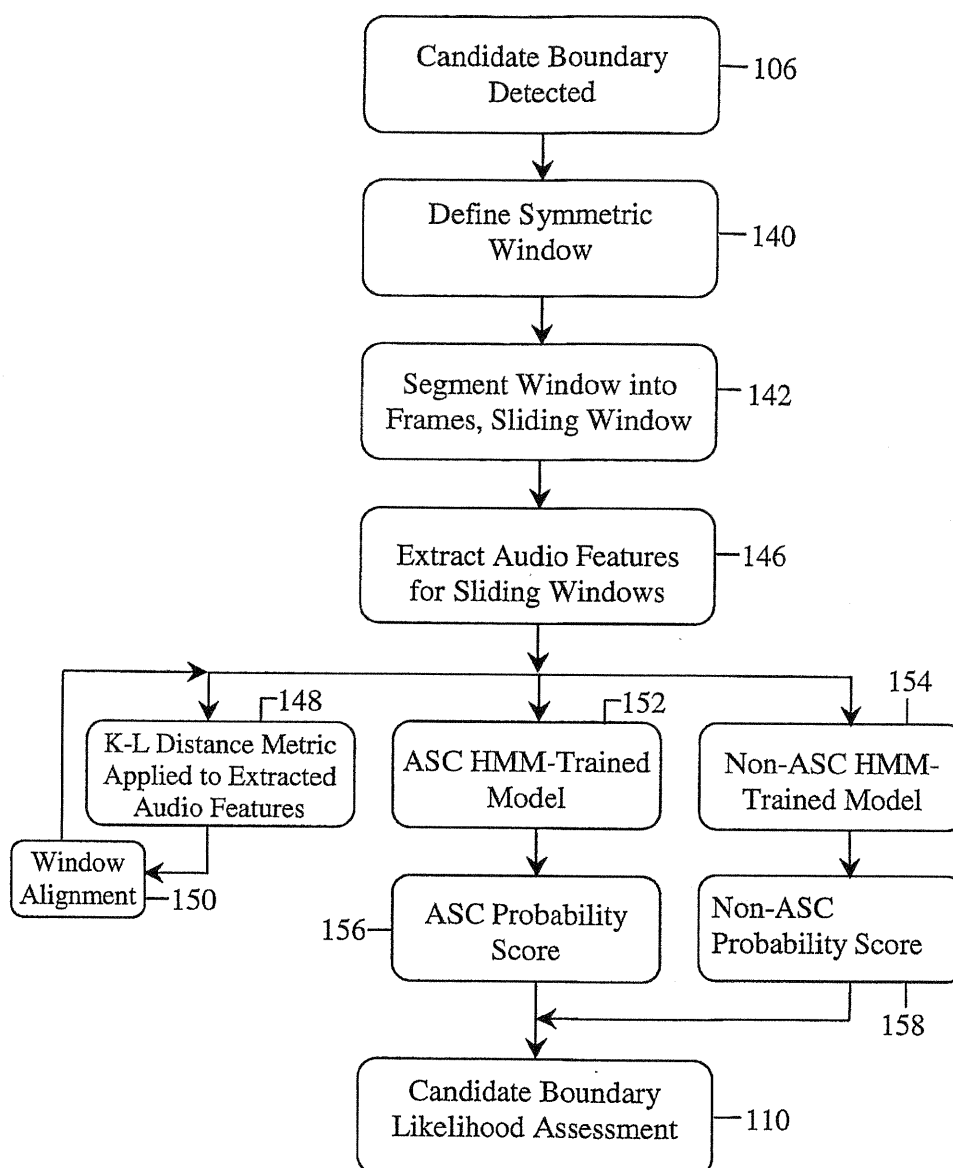


FIGURE 3c

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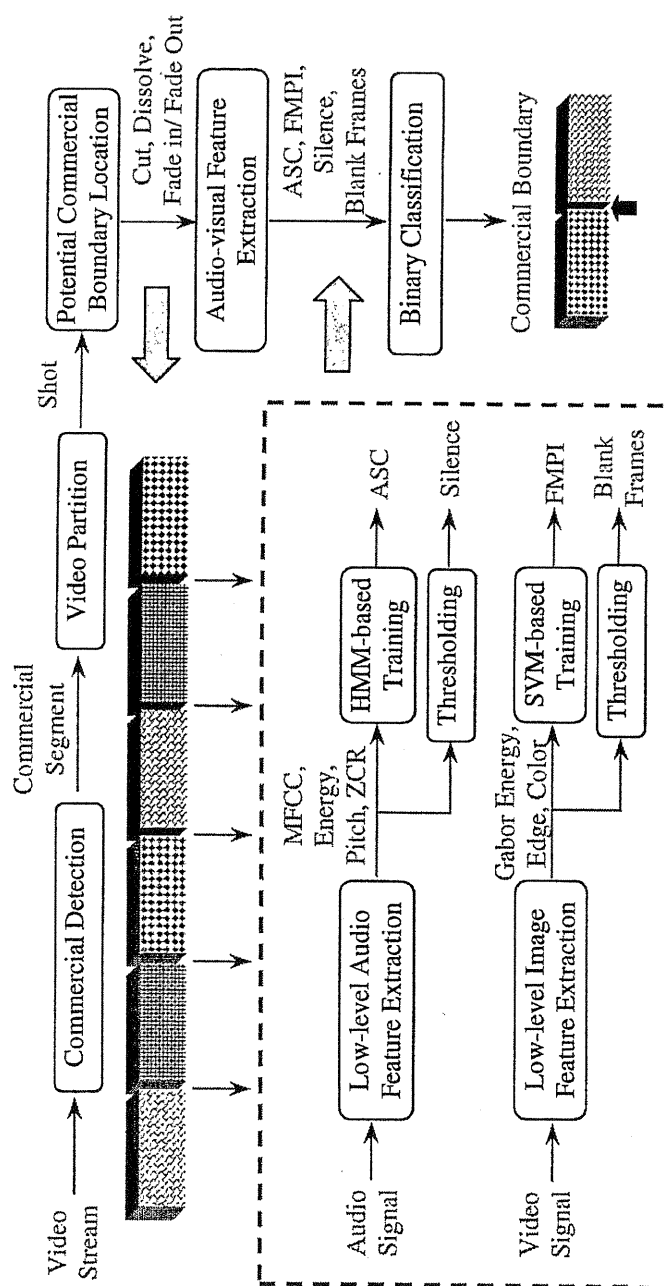


Figure 4

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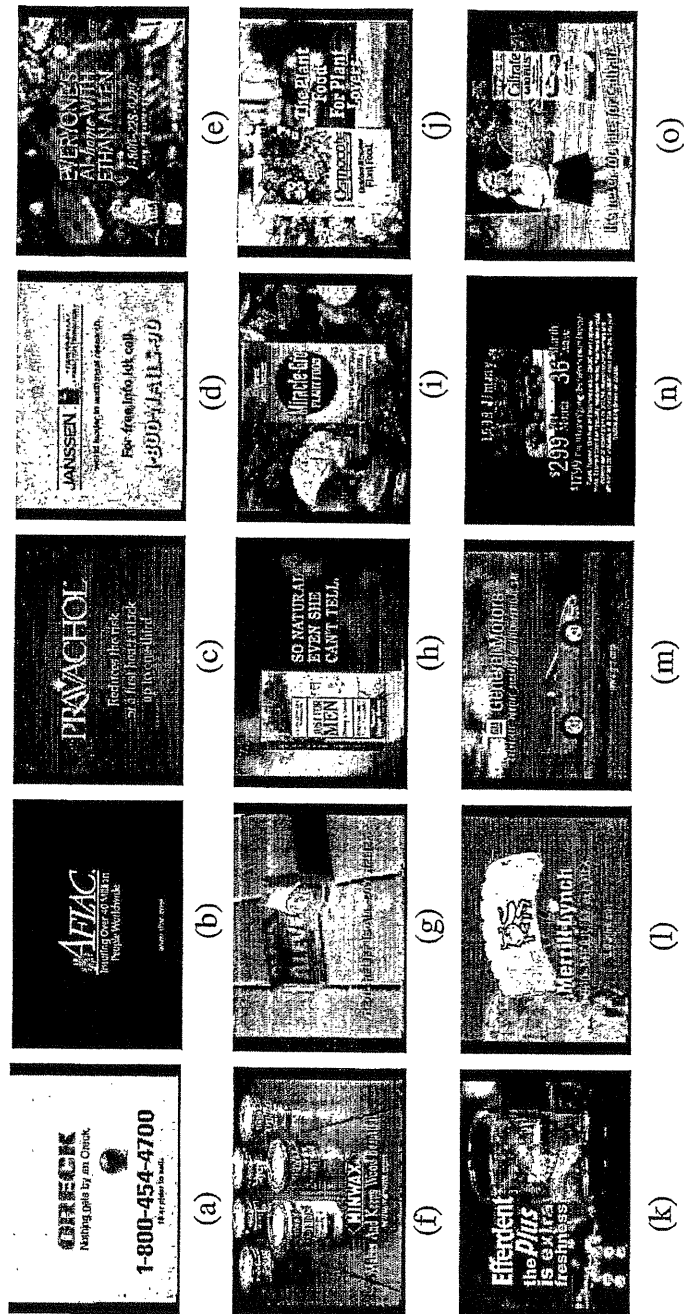


Figure 5

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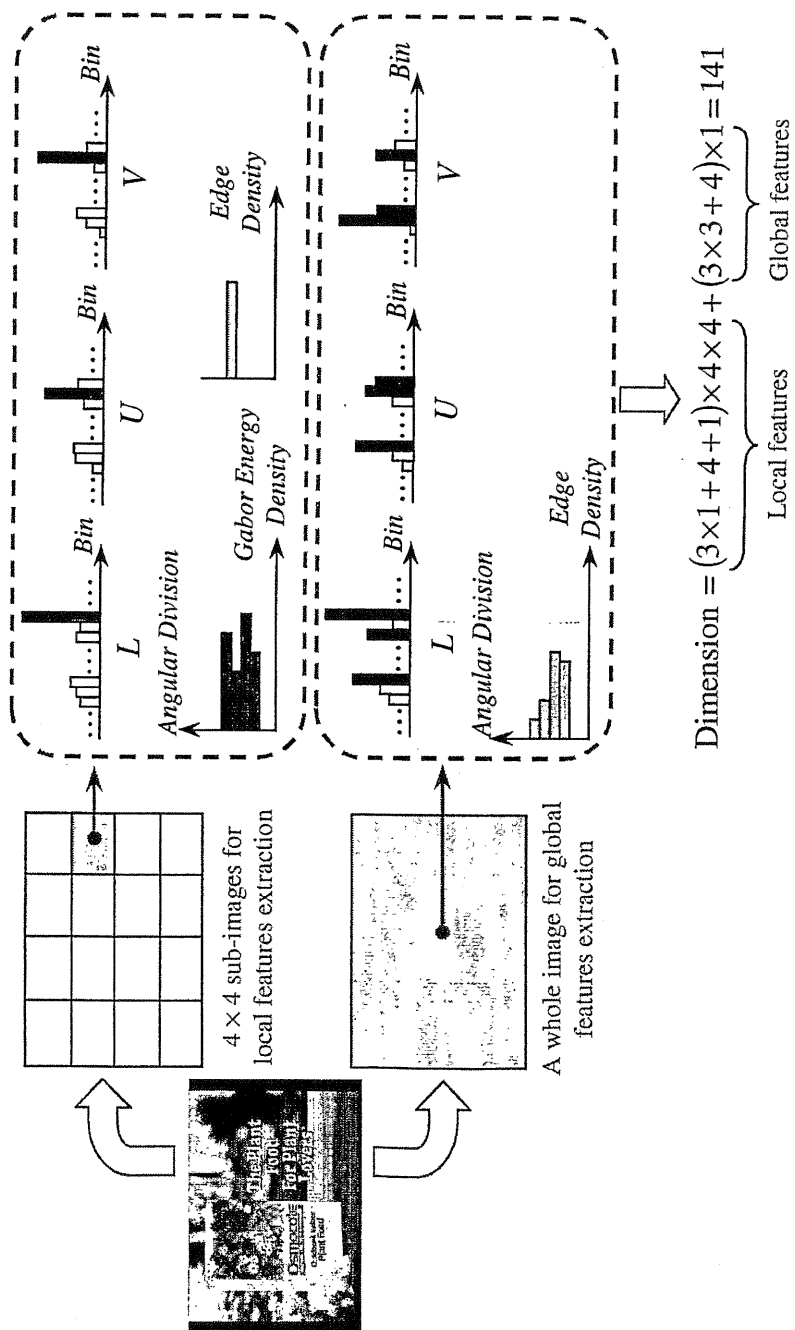


Figure 6

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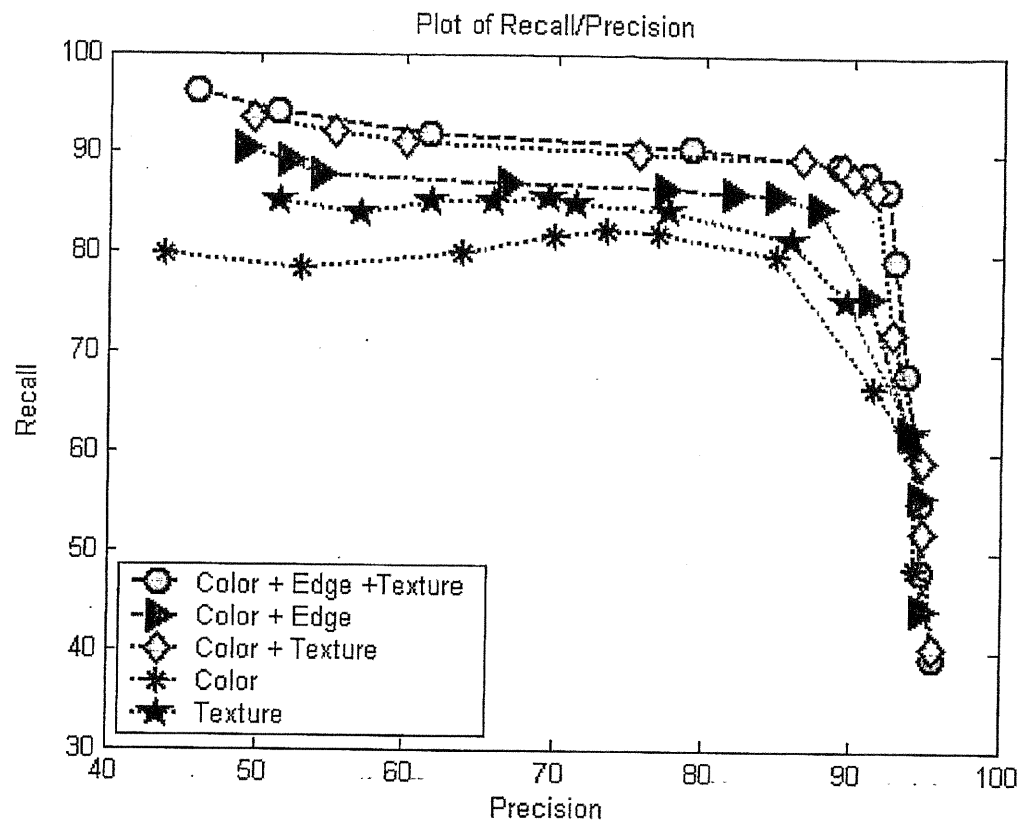


Figure 7

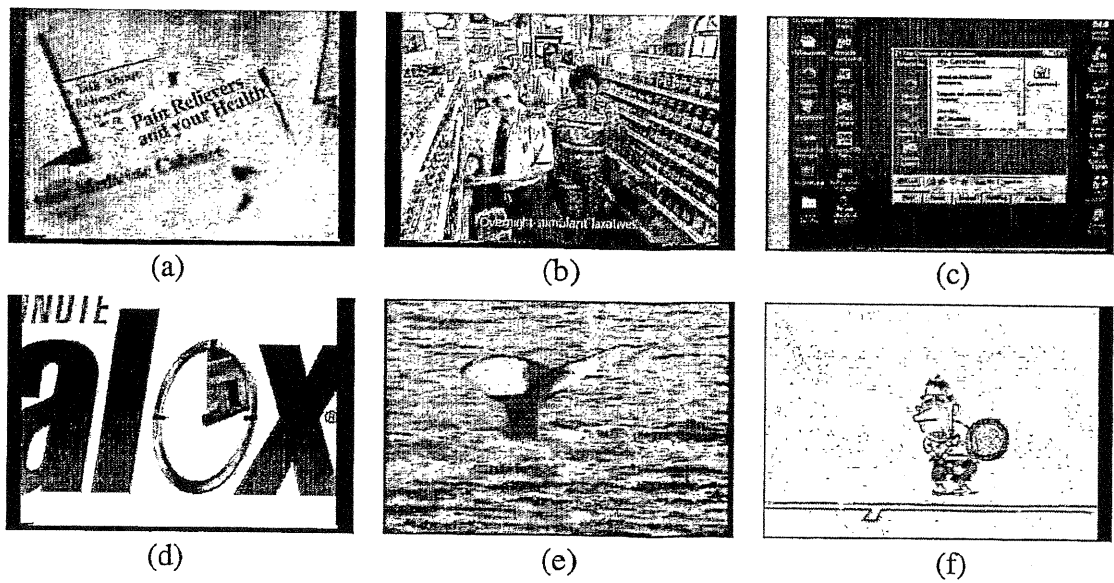


Figure 8

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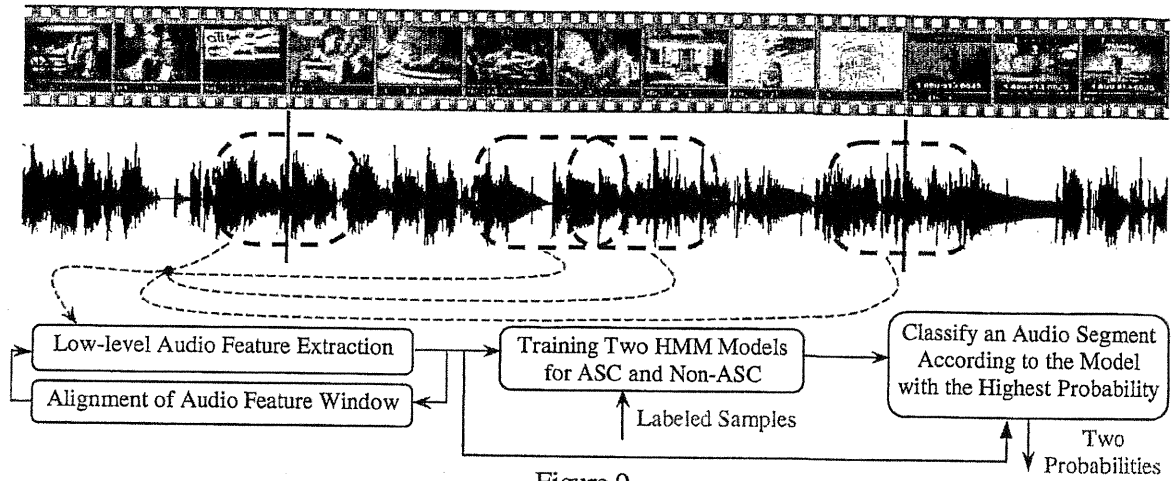


Figure 9

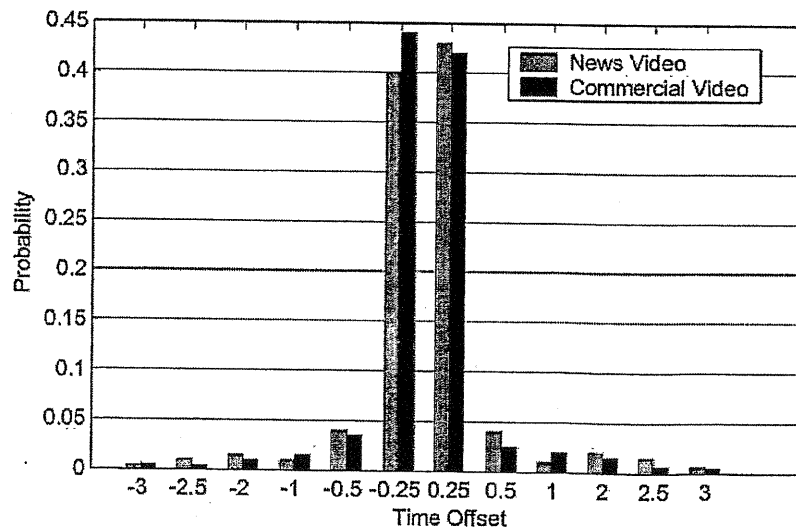


Figure 10

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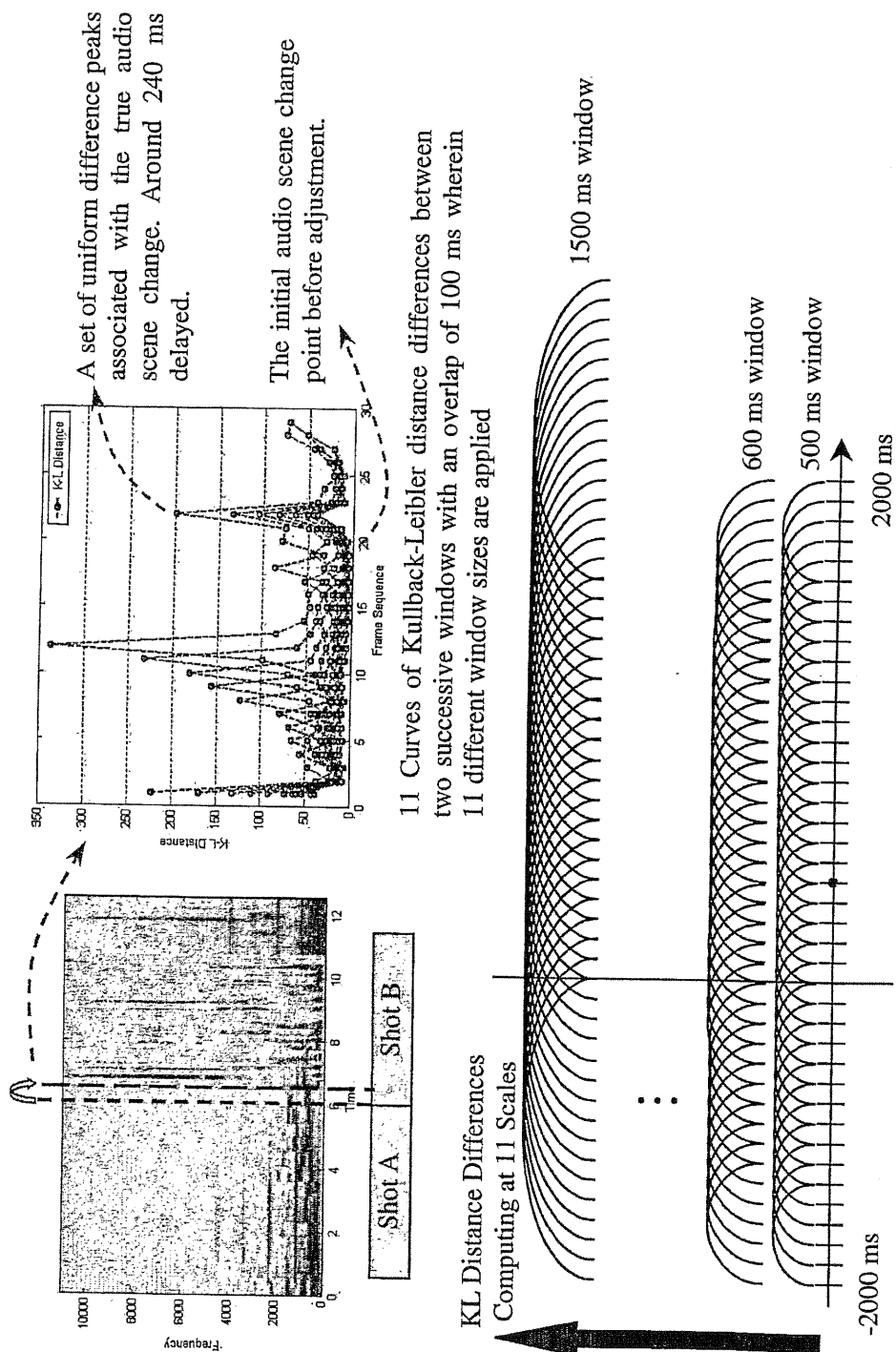


Figure 11

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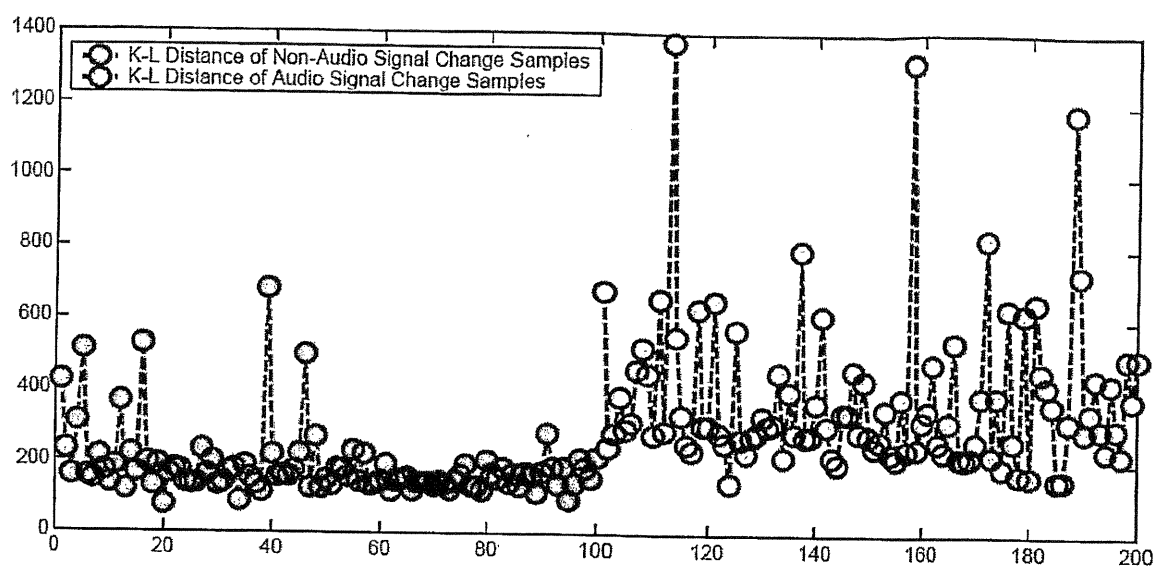


Figure 12

EXPERIMENTAL RESULT ON ASC RECOGNIZER					
	Alignment (YES or NO)	Precision	Recall	F1	Overall Accuracy of ASC and Non- ASC
Kullback-Leibler	NO	72.8%	76.6%	74.6%	79.8%
Kullback-Leibler	YES	76.7%	81.8%	79.2%	84.0%
HMM	NO	76.1%	80.5%	78.2%	83.6%
HMM	YES	79.5%	84.9%	82.1%	87.9%

Figure 13

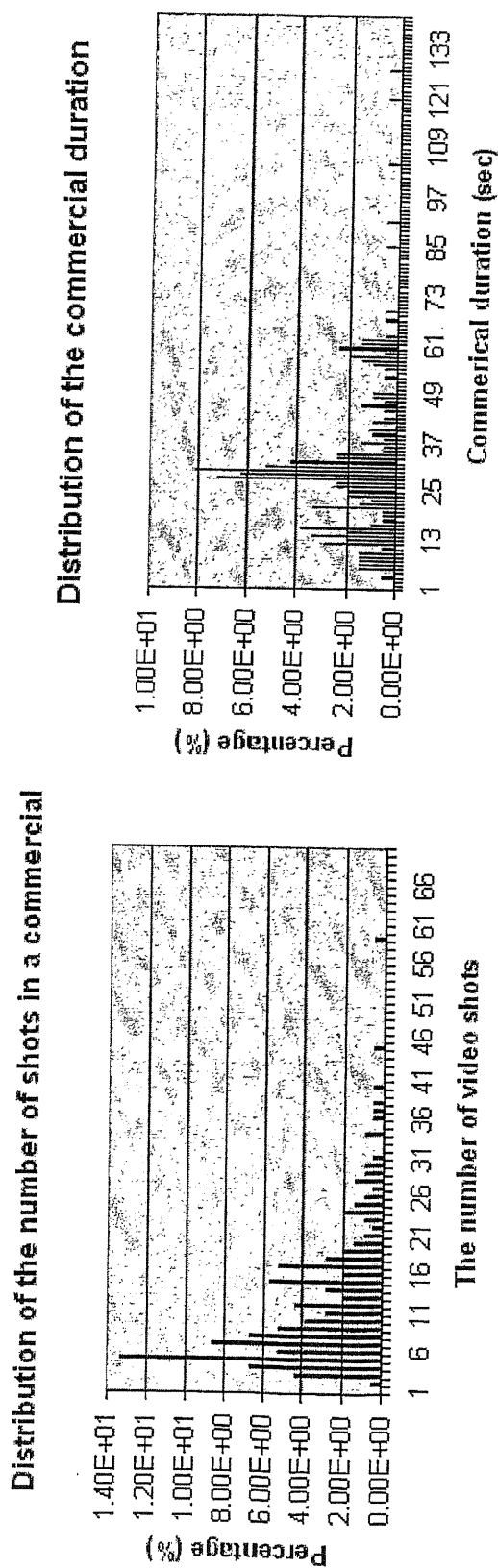


Figure 14

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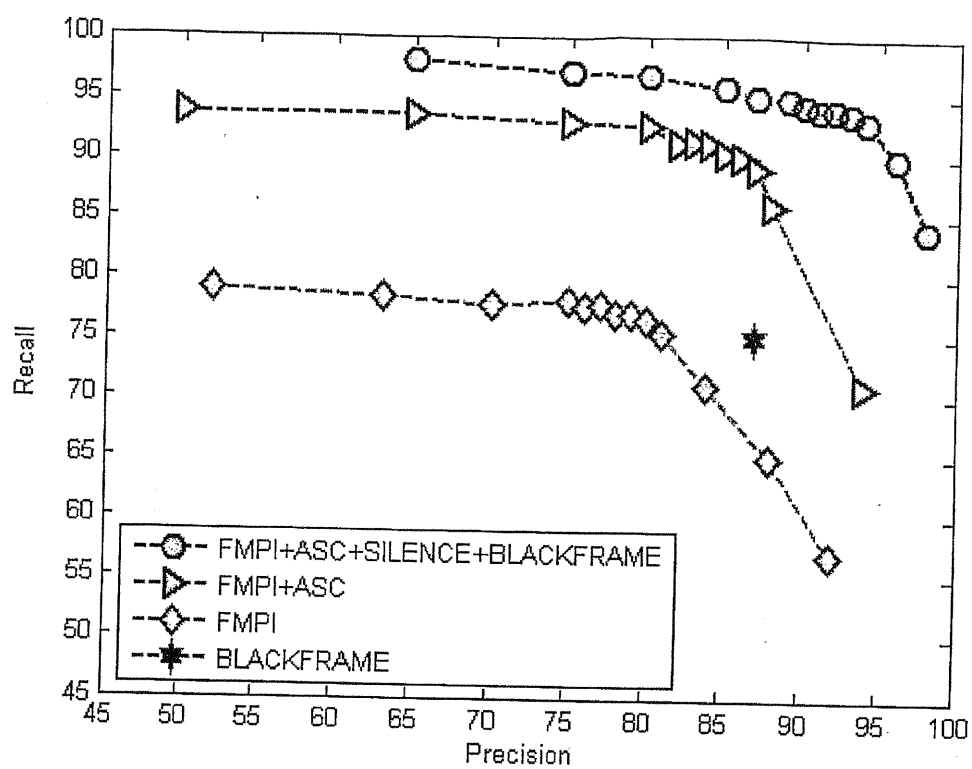


Figure 15

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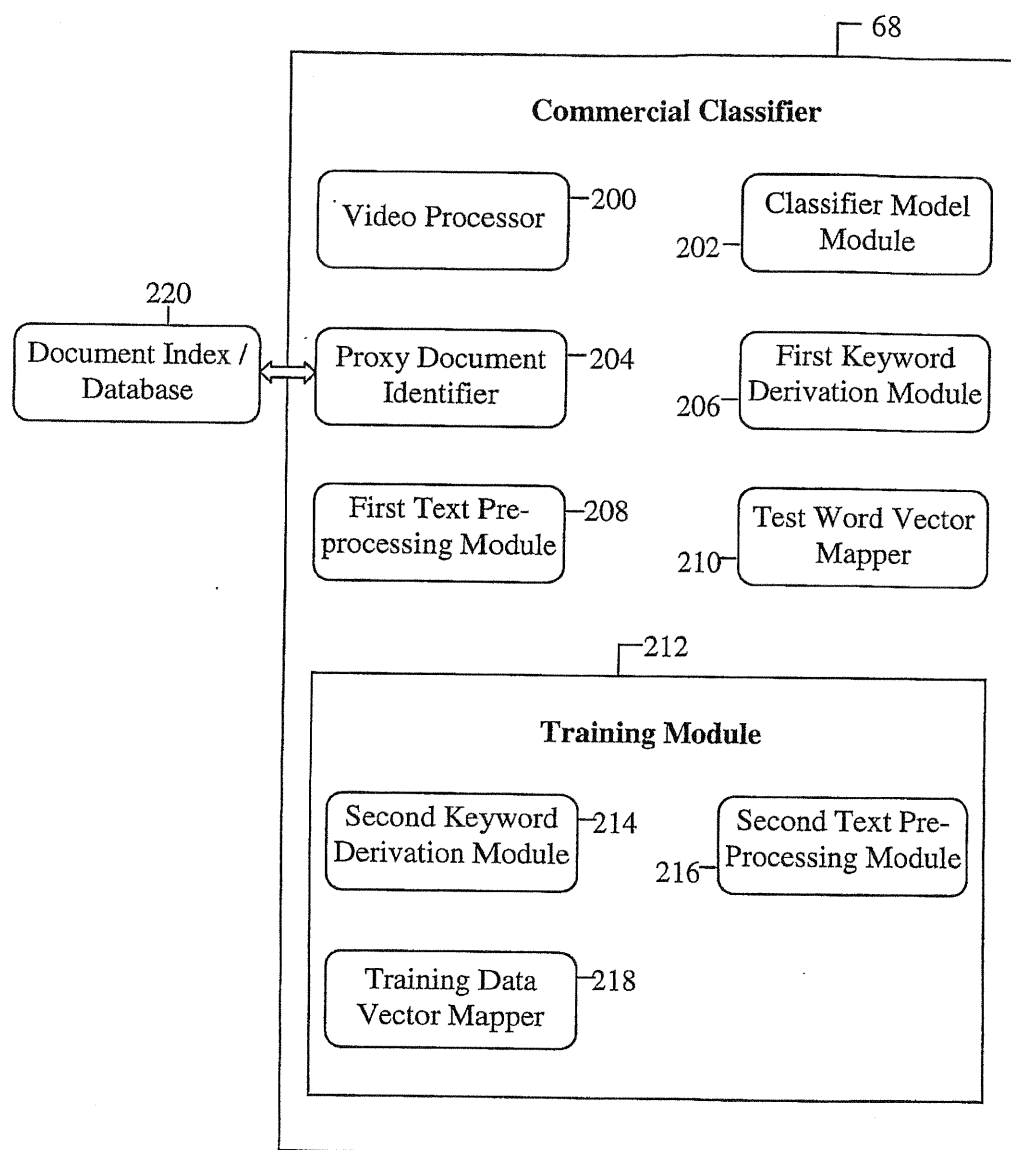
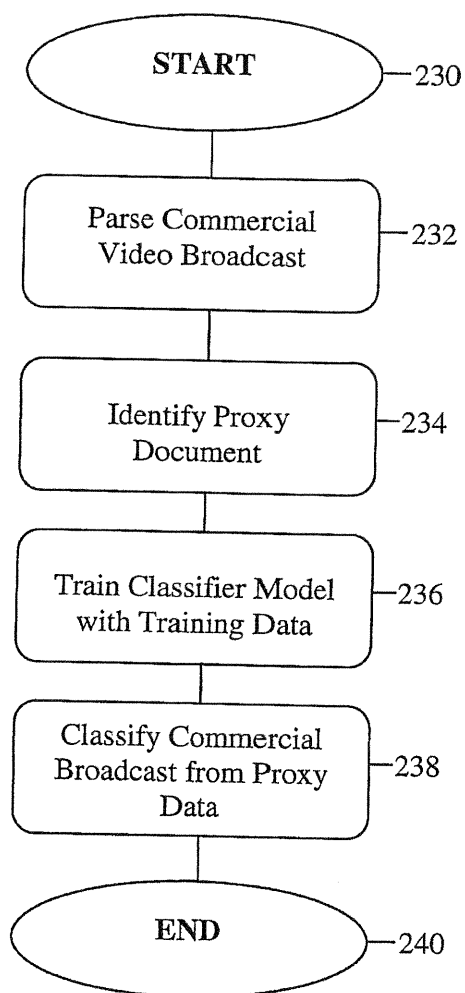


FIGURE 16

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**FIGURE 17**

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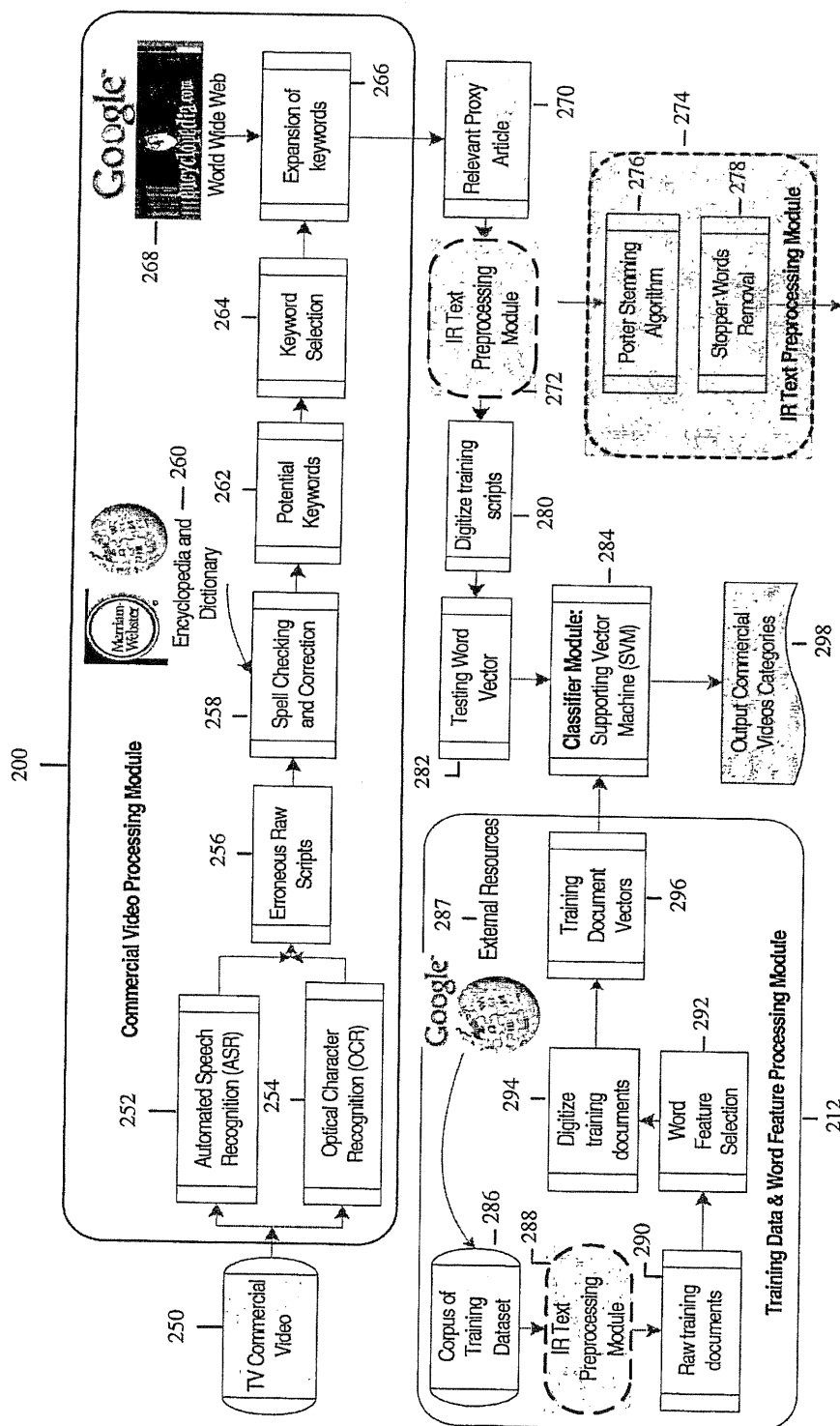


FIGURE 18

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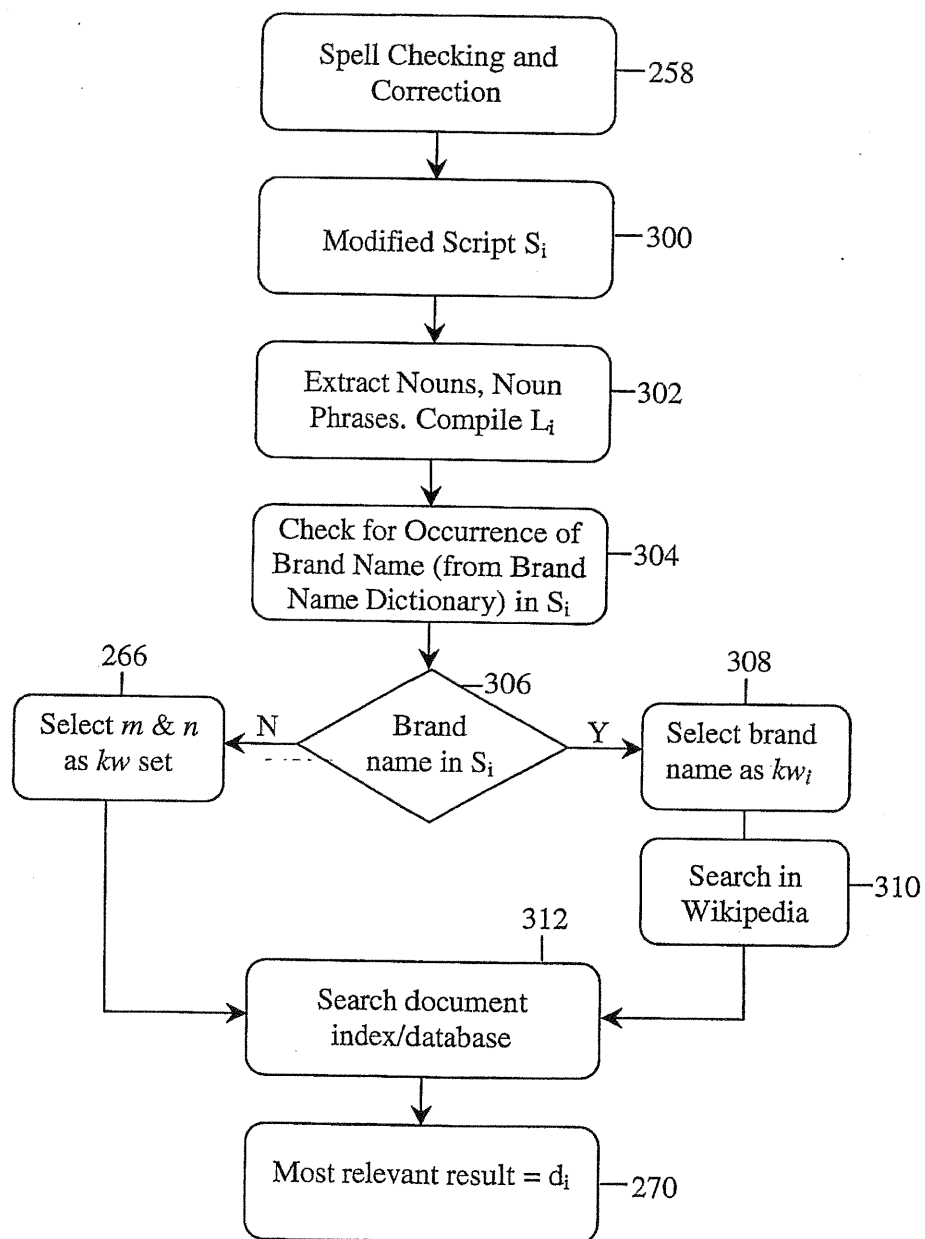


FIGURE 19

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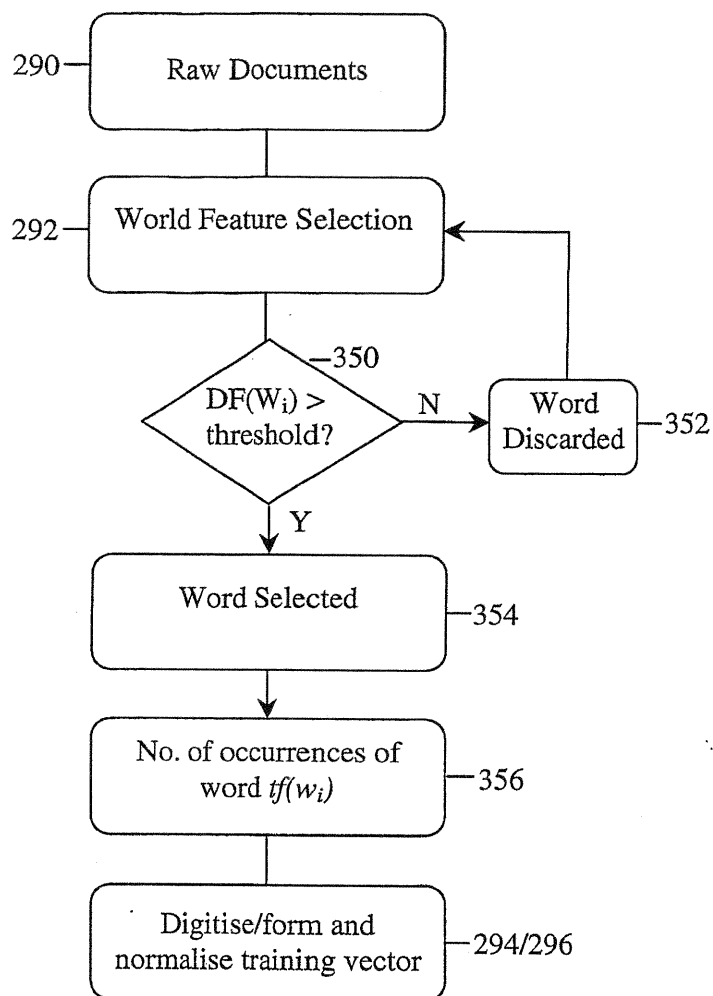


FIGURE 20

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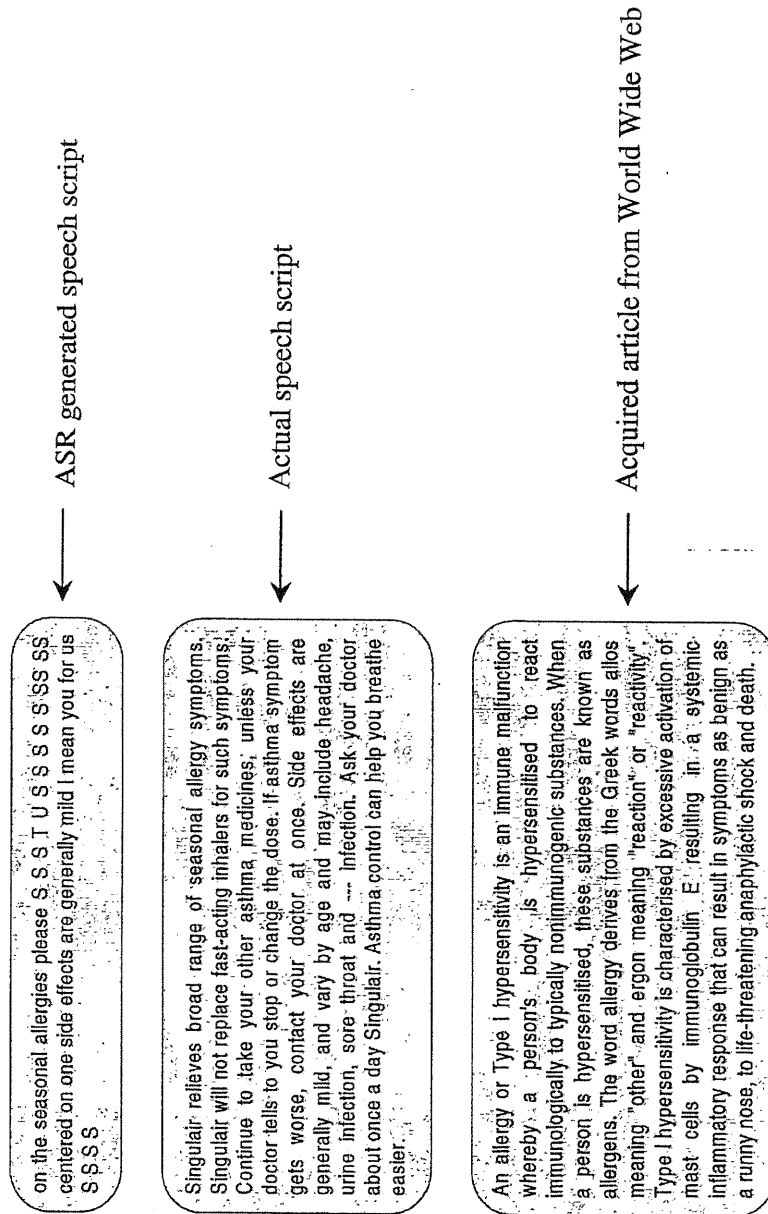


Figure 21

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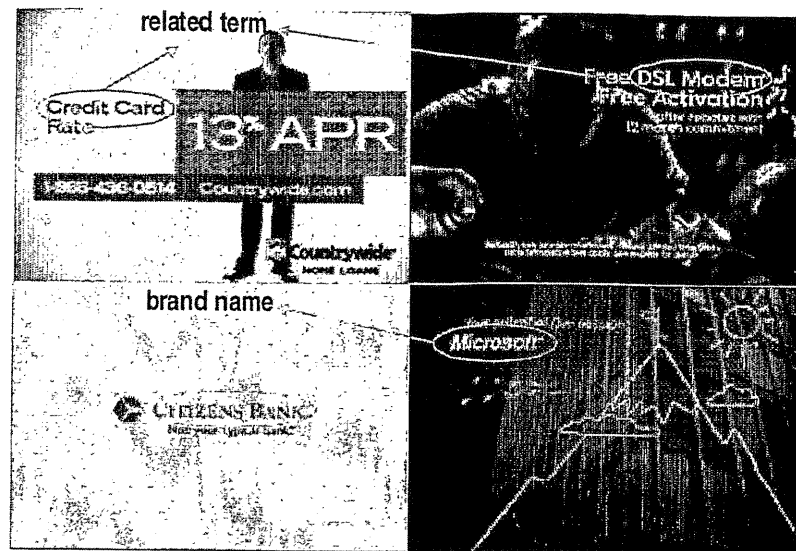


Figure 22

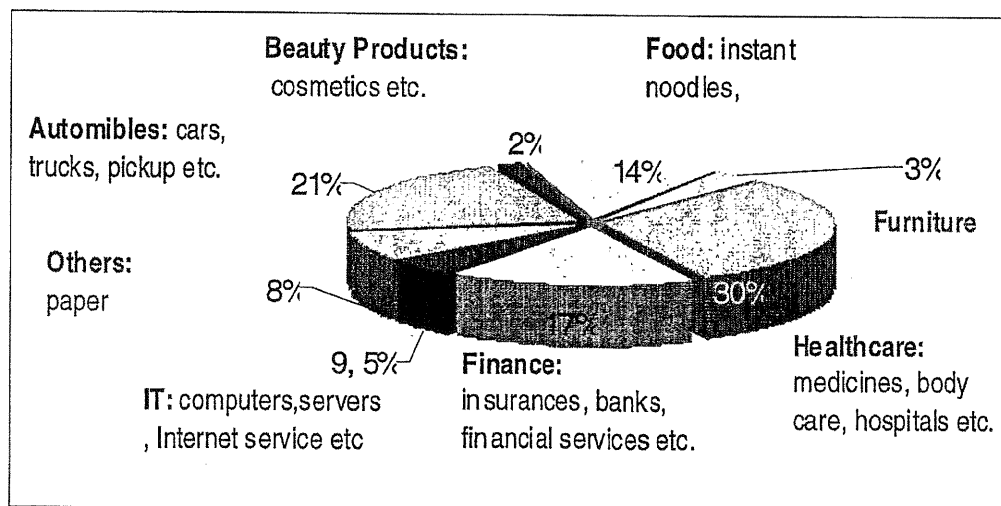


FIGURE 23

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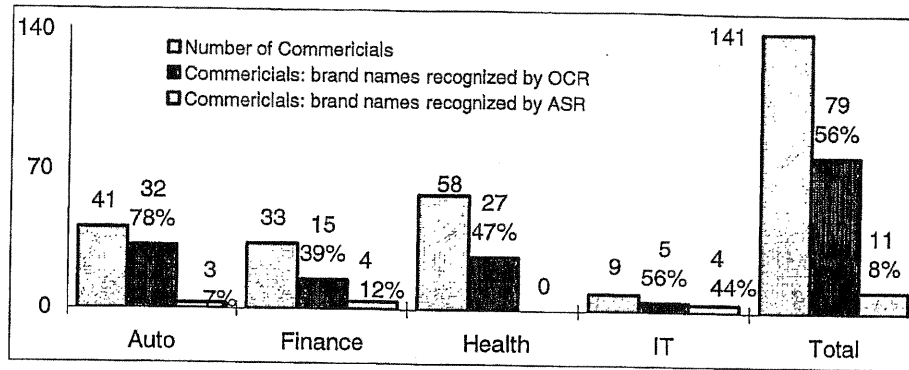


Figure 24

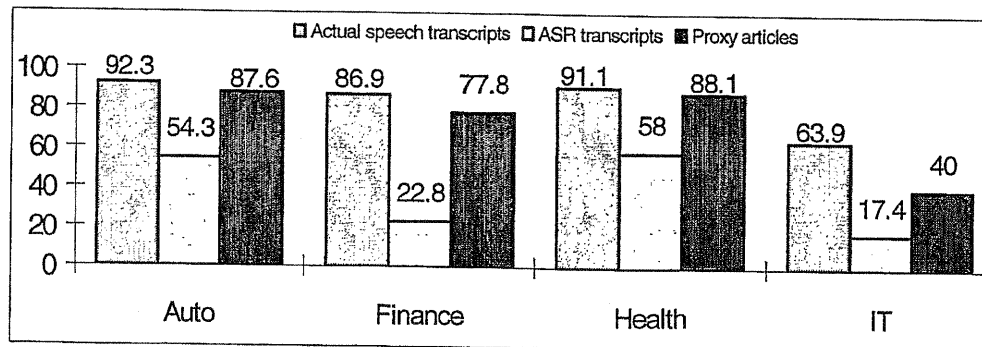


Figure 25

	Auto	Finance	Health	IT	Count	Recall (%)
(a). Classification with manually recorded speech transcripts						
Auto	38	2	0	1	41	90.2
Finance	1	28	2	2	33	84.8
Health	3	1	50	4	58	86.2
IT	0	1	3	5	9	55.6
Sum	42	37	59	8	141	
Precision(%)	94.5	89.2	96.6	75.0		85.8*
(b). Classification with ASR transcripts						
Auto	19	22	0	0	41	46.3
Finance	9	9	13	2	33	27.3
Health	2	14	31	11	58	53.5
IT	1	1	5	2	9	22.2
Sum	29	46	49	14	141	
Precision(%)	65.5	19.6	63.3	14.3		43.3*
(c). Classification with proxy articles						
Auto	35	3	2	1	41	85.4
Finance	3	25	2	3	33	75.8
Health	3	1	50	4	58	86.2
IT	0	3	2	4	9	44.4
Sum	40	35	55	11	141	
Precision(%)	90.0	80.0	90.1	36.4		80.9*

* Overall classification accuracy

FIGURE 26