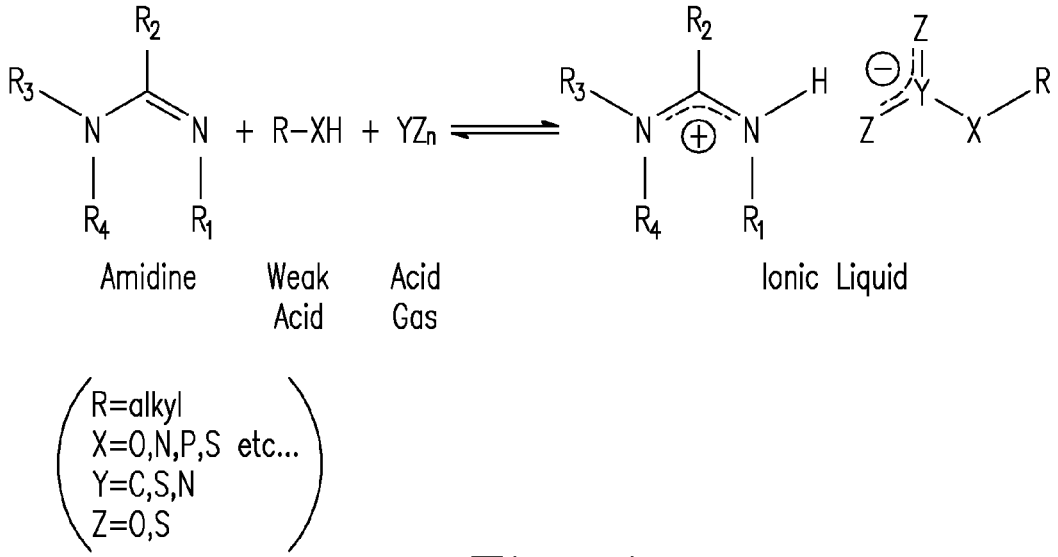
R2
R3
N
N
R4
R1
+ R-XH + YZn
H
Z
Y
R
X
Amidine
Weak Acid
Acid Gas
Ionic Liquid
R=alkyl
X=O,N,P,S etc...
Y=C,S,N
Z=O,S

Fig. 1

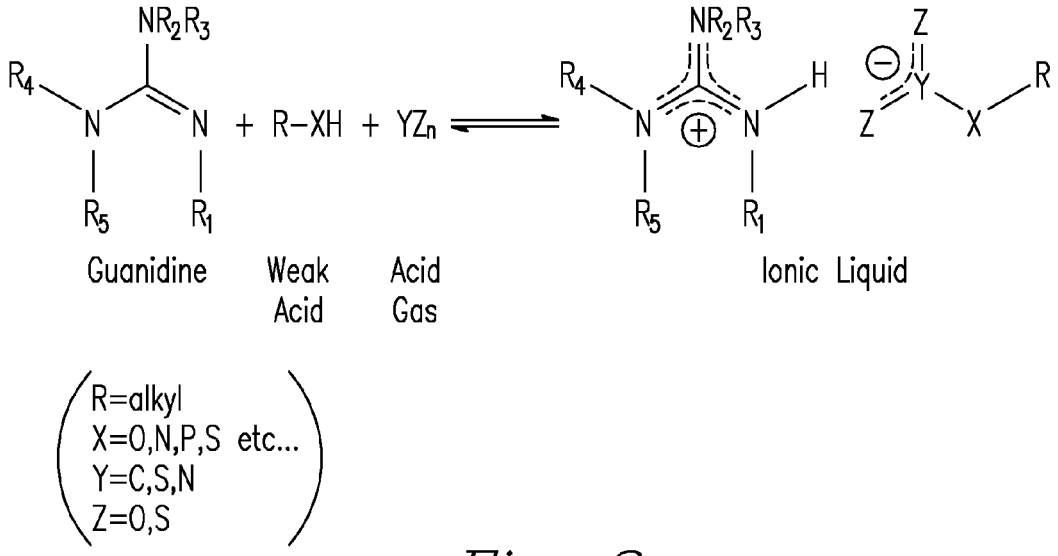
NR2R3
R4
N
N
R5
R1
+ R-XH + YZn
H
Z
Y
R
X
Guanidine
Weak Acid
Acid Gas
Ionic Liquid
R=alkyl
X=O,N,P,S etc...
Y=C,S,N
Z=O,S

Fig. 2