```
_____
Layer (type)                 Output Shape              Param #
================================================================
conv2d_1 (Conv2D)            (None, 298, 298, 32)      896
_____
max_pooling2d_1 (MaxPooling2 (None, 149, 149, 32)      0
_____
conv2d_2 (Conv2D)            (None, 147, 147, 128)     36992
_____
max_pooling2d_2 (MaxPooling2 (None, 73, 73, 128)       0
_____
conv2d_3 (Conv2D)            (None, 71, 71, 512)       590336
_____
global_average_pooling2d_1 ( (None, 512)               0
_____
dropout_1 (Dropout)          (None, 512)               0
_____
dense_1 (Dense)              (None, 128)               65664
_____
dropout_2 (Dropout)          (None, 128)               0
_____
dense_2 (Dense)              (None, 12)                1548
================================================================
Total params: 695,436
Trainable params: 695,436
Non-trainable params: 0
_____
```