

**File name: FID-019.txt**  
**Result: PLAGIARISM DETECTED**  
**Plagiarism percentage: 96%**

**Most similar document(s):**

org-078.txt with similarity: 98.0%

**Text to analyze:**

In this article, we propose a comparative analysis between previous approaches and the one using fuzzy logic. This article examines a solution to the major problems of induction machine control in order to achieve superior dynamic performance. Conventional direct torque control and indirect control with flux orientation have some drawbacks, such as current harmonics, torque ripples, flux ripples, and rise time. The demonstrated improvements in dynamic performance contribute to increased operational efficiency and reliability in industrial applications. Results from the simulation show that the direct torque control method using fuzzy logic is more effective in providing a precise and fast response without overshooting, and it eliminates torque and flux fluctuations at low switching frequencies.

**Sentence analysis:**

Plagiarized sentence (file FID-019.txt):

'In this article, we propose a comparative analysis between previous approaches and the one using fuzzy logic.'

Original sentence (file org-078.txt):

'In this article, we propose a comparative analysis between previous approaches and the one using fuzzy logic.'

Plagiarized sentence (file FID-019.txt):

'This article examines a solution to the major problems of induction machine control in order to achieve superior dynamic performance.'

Original sentence (file org-078.txt):

'This article examines a solution to the major problems of induction machine control in order to achieve superior dynamic performance.'

Plagiarized sentence (file FID-019.txt):

'Conventional direct torque control and indirect control with flux orientation have some drawbacks, such as current harmonics, torque ripples, flux ripples, and rise time.'

Original sentence (file org-078.txt):

'Conventional direct torque control and indirect control with flux orientation have some drawbacks, such as current harmonics, torque ripples, flux ripples, and rise time.'

Plagiarized sentence (file FID-019.txt):

'The demonstrated improvements in dynamic performance contribute to increased operational efficiency and reliability in industrial applications.'

Original sentence (file org-078.txt):

'The demonstrated improvements in dynamic performance contribute to increased operational efficiency and reliability in industrial applications.'

Plagiarized sentence (file FID-019.txt):

'Results from the simulation show that the direct torque control method using fuzzy logic is more effective in providing a precise and fast response without overshooting, and it eliminates torque and flux fluctuations at low switching frequencies.'

Original sentence (file org-078.txt):

'Results from the simulation show that the direct torque control method using fuzzy logic is more effective in providing a precise and fast response without overshooting, and it eliminates torque and flux fluctuations at low switching frequencies.'