```
ptn_atom_wf3  THM

⊢  ∀x:Atom. ptn_atom(x) ∈ Label  by Unfold ‘lbl‘ 0 THEN Auto
|
1. x : Atom
⊢  ptn_atom(x) ∈ {p:Pattern| ground_ptn(p) }  by MemTypeCD THEN Auto
|
.....set predicate .....
1. x : Atom
⊢  ground_ptn(ptn_atom(x))
  by RecUnfold ‘ground_ptn‘ 0 THEN Reduce 0 THEN Trivial
END
```